

GSK3 alpha/beta(Phospho Tyr279/216) Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP06543

Host Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen The antiserum was produced against synthesized peptide derived from human GSK3 alpha/beta around the

phosphorylation site of Tyr279/216. AA range:246-295

Mol wt 50981

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application IF, ICC, WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name Glycogen synthase kinase-3 alpha/beta

Synonyms Glycogen synthase kinase-3 alpha/beta; GSK3A; Glycogen synthase kinase-3 alpha; GSK-3 alpha;

Serine/threonine-protein kinase GSK3A; GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta;

 $Serine/threonine-protein\ kinase\ GSK3B$

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

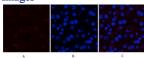
This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease.

Recommended Dilution

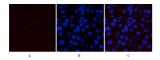
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 IF: 1: 50 - 1: 200 ELISA: 1: 20000

Not yet tested in other applications.

Images

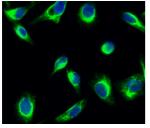


 $Immun of luorescence analysis of Hela cell. \ 1, GSK3\alpha/\beta \ (phospho \ Tyr279/216) \ Polyclonal Antibody (Green) \ was diluted at 1:200(4°C overnight). \ 2 \ DAPI (blue) \ 10min.$



Immunofluorescence analysis of mouse-liver tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI.

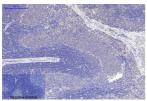
Picture C: merge of A+B



Immunofluorescence analysis of mouse-liver tissue. $1,GSK3\alpha/\beta$ (phospho Tyr279/216) Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



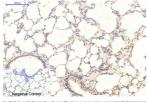
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-liver tissue. 1,GSK3 α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-spinal-cord tissue. 1,GSK3 α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at $1:200(4^{\circ}\text{C}\text{ overnight})$. 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



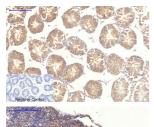
Immunohistochemical analysis of paraffin-embedded Rat-brain tissue. $1,GSK3\alpha/\beta$ (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



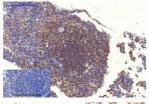
Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,GSK3 α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at $1:200(4^{\circ}\text{C}\text{ overnight})$. 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,GSK3 α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at $1:200(4^{\circ}\text{C}\text{ overnight})$. 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 $^{\circ}\text{C}$,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



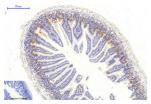
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,GSK3 α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-brain tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-spleen tissue. $1,GSK3\alpha/\beta$ (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

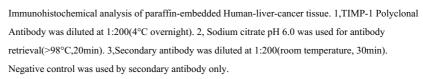


Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,GSK3 α / β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.





Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

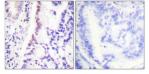
Immunohistochemical analysis of paraffin-embedded Human-stomach-cancer tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



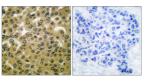
Immunohistochemical analysis of paraffin-embedded Human-Appendix tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



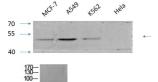
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1,GSK3α/β (phospho Tyr279/216) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



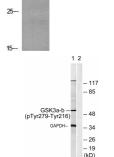
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GSK3 alpha/beta (Phospho-Tyr279/216) Antibody. The picture on the right is blocked with the phospho peptide.



p-GSK3α/β (Y279/216)

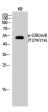
70--55-

45-35Western Blot analysis of various cells using primary antibody diluted at 1:1000(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour).



Western Blot analysis of various cells using Phospho-GSK3 α/β (Y279/216) Polyclonal Antibody

Western Blot analysis of KB cells using Phospho-GSK3 α/β (Y279/216) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, using GSK3 alpha/beta (Phospho-Tyr279/216) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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