BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MEK-1/2(Phospho Ser218/222) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11250
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MEK1/2 around the phosphorylation site of Ser217. AA range:189-238
Mol wt	43439
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Dual specificity mitogen-activated protein kinase kinase 1/2
Synonyms	Dual specificity mitogen-activated protein kinase kinase 1/2; MAP2K1; MEK1; PRKMK1; Dual specificity mitogen-activated protein kinase kinase 1; MAP kinase kinase 1; MAPKK 1; MKK1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK 1; MAP2K2; MEK2; MKK2; PRKMK2; Dual specificity mitogen-activated protein k

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

Background

The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.

Recommended Dilution

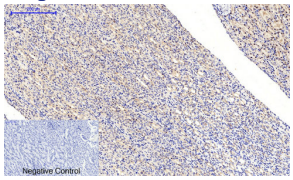
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

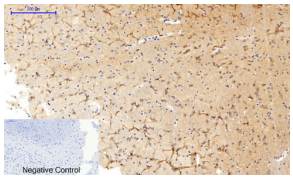
ELISA: 1: 5000

Not yet tested in other applications.

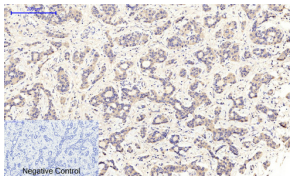
Images



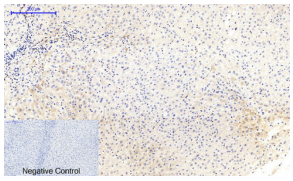
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,MEK-1/2 (phospho Ser218/222) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



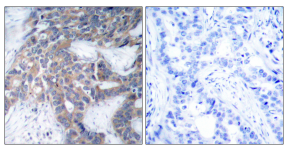
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,MEK-1/2 (phospho Ser218/222) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,MEK-1/2 (phospho Ser218/222) 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.

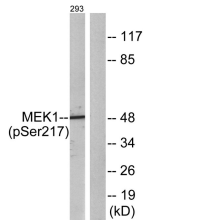


Immunohistochemical analysis of paraffin-embedded Rat-brain tissue. 1,MEK-1/2 (phospho Ser218/222) Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using IRS-1 (Phospho-Ser636) Antibody. The picture on the right is blocked with the phospho peptide.

Western Blot analysis of various cells using Phospho-MEK-1/2 (S218/222) Polyclonal Antibody



Western Blot analysis of 293 cells using Phospho-MEK-1/2 (S218/222) Polyclonal Antibody

Western blot analysis of lysates from 293 cells treated with PMA 125ng/ml 30', using MEK1/2 (Phospho-Ser217) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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