BT LAB
Bioassay Technology Laboratory
Optimize Your Research

PI 3-kinase p85 Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07139
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PI 3-kinase p85alpha. AA range:449-498
Mol wt	83598
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	PI 3-kinase p85alpha Antibody
Synonyms	PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol

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

Background

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. PIK3R1 encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in PIK3R1 has been associated with insulin resistance. Alternative splicing of PIK3R1 results in four transcript variants encoding different isoforms.

Recommended Dilution

WB: 1: 500 - 1: 2000

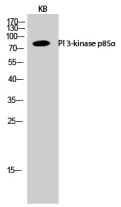
IHC: 1: 100 - 1: 300

ELISA: 1: 40000

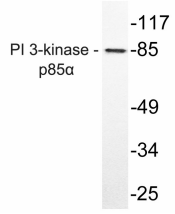
IF: 1: 50 - 200

Not yet tested in other applications.

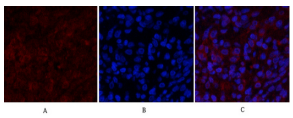
Images



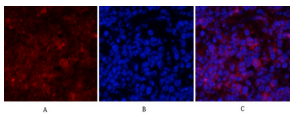
Western Blot analysis of KB cells using PI 3-kinase p85α Polyclonal Antibody diluted at 1:2000



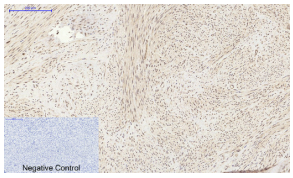
Western blot analysis of lysate from Jurkat cells, using PI 3-kinase p85α antibody.



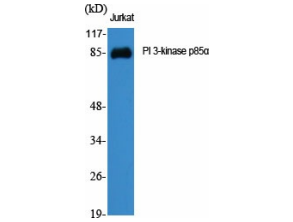
Immunofluorescence analysis of rat-lung tissue. 1,PI 3-kinase p85α Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



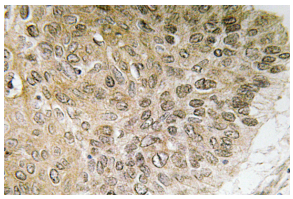
Immunofluorescence analysis of mouse-spleen tissue. 1,PI 3-kinase p85α Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



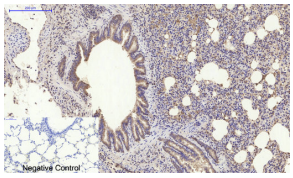
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,PI 3-kinase p85α Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Western Blot analysis of various cells using PI 3-kinase p85α Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of PI 3-kinase p85α antibody in paraffin-embedded human lung carcinoma tissue.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,PI 3-kinase p85α 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.

Storage

-20°C for one year

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