



InsP 3-kinase B Polyclonal Antibody

Catalog No	YP-Ab-14787
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ITPKB
Immunogen	Synthesized peptide derived from InsP 3-kinase B . at AA range: 130-210
Specificity	InsP 3-kinase B Polyclonal Antibody detects endogenous levels of InsP 3-kinase B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	InsP 3 kinase B;IP3 3 kinase B;IP3K;IP3K B;IP3KB;ITPKB;PIG37;InsP 3-kinase B;Inositol-trisphosphate 3-kinase B;Inositol 1;4;5-trisphosphate 3-kinase B;IP3 3-kinase B
Observed Band	102-110 kDa
Calculated Molecular Weight	946 aa, 102 kDa
Cell Pathway	Cytoplasm, cytoskeleton . Cytoplasm . Endoplasmic reticulum .
Tissue Specificity	Brain,Cerebellum,Colon,Hippocampus,Platelet,Skin,
Function	catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate.,enzyme regulation:IP3K is activated by calmodulin. Form B is much more sensitive to calcium/calmodulin than form A., similarity:Belongs to the inositol phosphokinase (IPK) family.,
Background	The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5) P4. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling.

Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images