



InsP 3-kinase B Polyclonal Antibody

Catalog No	BYab-14787
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ITPKB
Protein Name	Inositol-trisphosphate 3-kinase B
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	ITPKB; Inositol-trisphosphate 3-kinase B; Inositol 1; 4,5-trisphosphate 3-kinase B; IP3 3-kinase B; IP3K B; InsP 3-kinase B
Observed Band	100kD
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],

Nanjing BYabscience technology Co.,Ltd

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
