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ITPKB Rabbit pAb

Catalog # AP99085

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P27987
Other Accession	P27987
Reactivity	Rat
Predicted	Human, Mouse, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102376
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ITPKB
Epitope Specificity	601-700/946
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the inositol phosphokinase (IPK) family.
SUBUNIT	Interacts with DMTN.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	3707
Other Names	IP3-3KB; IP3K; IP3K-B; IP3KB; PIG37; 1110033J02Rik; E130307H12Rik; IP3K B; IP3KB_HUMAN; ITPKB; Inositol 1, 4, 5-trisphosphate 3-kinase B (IP3 3-kinase B | IP3K B | InsP 3-kinase B); 2.7.1.127; IP3KB_RAT; inositol-trisphosphate 3-kinase B; inositol 1, 4, 5-trisphosphate 3-kinase B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ITPKB (HGNC:6179)
Function	Catalyzes the phosphorylation of 1D-myo-inositol 1,4,5- trisphosphate (InsP3) into 1D-myo-inositol 1,3,4,5-tetrakisphosphate and participates to the regulation of calcium homeostasis.
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm Endoplasmic reticulum

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.