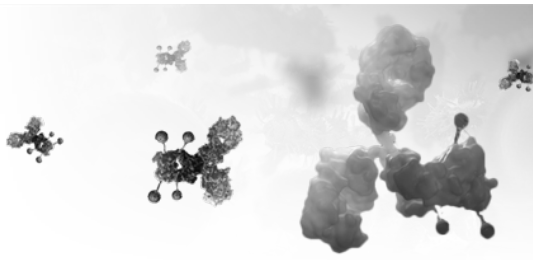

Mouse anti-Human ITPKB monoclonal antibody, clone 3G9 (CABT-B10479)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ITPKB (NP_002212, 545 a.a. ~ 644 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	3G9
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	PELLPQDQDKPFLRKACSPSNIPAVIITDMGTQEDGALEETQGSPRGNLPLRKLSSSSAS STGFSSSYEDSEEDISSDPERTLDPNSAFLHTLDQQKPR*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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]
Keywords	ITPKB; inositol-trisphosphate 3-kinase B; IP3K; IP3KB; PIG37; IP3K-B; IP3-3KB; IP3K B; IP3 3-kinase B; insP 3-kinase B; proliferation-inducing protein 37; inositol 1,4,5-trisphosphate 3-kinase B;

GENE INFORMATION

Entrez Gene ID	3707
UniProt ID	P27987
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem
Function	ATP binding; calmodulin binding; inositol trisphosphate 3-kinase activity; kinase activity; nucleotide binding; transferase activity

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