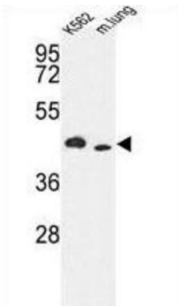
Inositol-Trisphosphate 3-Kinase A (ITPKA) Antibody

Catalogue No.:abx033924



ITPKA regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1, 4, 5-trisphosphate to Ins (1, 3, 4, 5) P4. The activity of the inositol 1, 4, 5-trisphosphate 3-kinase 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. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin dependent protein kinase II, and protein kinase C in vitro. ITPKA and ITPKB are 68% identical in the C-terminus region.

Target:	Inositol-Trisphosphate 3-Kinase A (ITPKA)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 345-375 amino acids from the C-terminal region of human ITPKA.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P23677 (UniProt, ExPASy)

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KEGG:	hsa:3706
String:	9606.ENSP00000260386
Molecular Weight:	Calculated MW: 51 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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