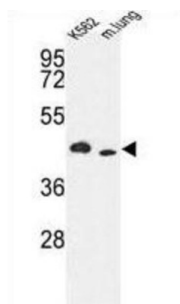


Inositol-Trisphosphate 3-Kinase A (ITPKA) Antibody

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)

Datasheet

Version: 3.0.0

Revision date: 30 Sep 2025



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.

For Reference Only