

Anti-ITPKA Antibody

Catalog # AP60870

Product Information

Application	WB, IF/IC
Primary Accession	P23677
Reactivity	Human, Mouse, Rat, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51009

Additional Information

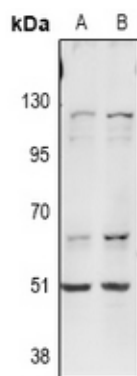
Gene ID	3706
Other Names	Inositol-trisphosphate 3-kinase A; Inositol 145-trisphosphate 3-kinase A; IP3 3-kinase A; IP3K A; InsP 3-kinase A
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ITPKA. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

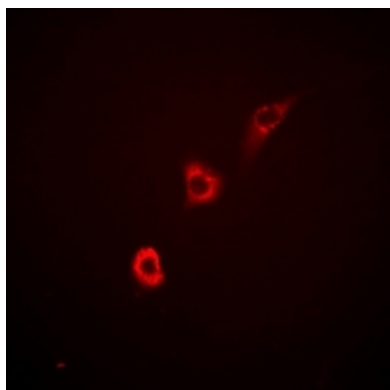
Name	ITPKA (HGNC:6178)
Function	Catalyzes the phosphorylation of 1D-myo-inositol 1,4,5- trisphosphate (InsP3) into 1D-myo-inositol 1,3,4,5-tetrakisphosphate and participates to the regulation of calcium homeostasis.
Cellular Location	Cytoplasm, cytoskeleton
Tissue Location	Expressed in brain..

Images

Western blot analysis of ITPKA expression in A549 (A), LO2 (B) whole cell lysates. (Predicted band size: 51 kD;



Observed band size: 51 kD)



Immunofluorescent analysis of ITPKA staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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