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## Datasheet for ABIN7466820 anti-ITPKA antibody



Overview	
Quantity:	100 μL
Target:	ІТРКА
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPKA antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human IP3KA. The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	ΙΤΡΚΑ
Alternative Name:	inositol-trisphosphate 3-kinase A (ITPKA Products)
Background:	Inositol-trisphosphate 3-kinase A , IP3-3KA , IP3KA, 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

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	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.[provided by RefSeq, Apr 2011]
Molecular Weight:	51 kDa
Gene ID:	3706
UniProt:	P23677

## Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
	Not tested in other applications.
Comment:	Positive Control: mouse brain , rat brain
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
	multiple freeze-thaw cycles.