



# Anti-ITPKA polyclonal antibody (CABT-BL1973)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from C-terminal of human IP3KA.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C/1 year

## BACKGROUND

<b>Introduction</b>	Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P <sub>4</sub> . 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.
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# GENE INFORMATION

Entrez Gene ID [3706](#)

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Protein Refseq [NP\\_002211](#)

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UniProt ID [P23677](#)

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