



Anti-ITPKA (C-terminal) polyclonal antibody (CABT-BL1971)

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

PRODUCT INFORMATION

Immunogen	A synthetic peptide derived from C-terminal of human ITPKA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid
Buffer	50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

BACKGROUND

Introduction	Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P ₄ . 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
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kinase, calcium/calmodulin- dependent protein kinase II, and protein kinase C in vitro.

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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