

IP3KA Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04602
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human IP3KA. AA range:396-445
Mol wt	51009
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	IP3KA Antibody
Synonyms	ITPKA; Inositol-trisphosphate 3-kinase A; Inositol 1; 4,5-trisphosphate 3-kinase A; IP3 3-kinase A; IP3K A; InsP 3-kinase A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

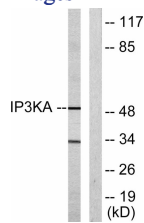
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

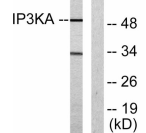
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HUVEC cells, using IP3KA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IP3KA Polyclonal Antibody

Storage

-20°C for one year

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