

A17503

Leader in Biomolecular Solutions for Life Science



## ITPKA Rabbit pAb

Catalog No.: A17503

### Basic Information

#### Observed MW

55kDa

#### Calculated MW

51kDa

#### Category

Polyclonal Antibody

#### Applications

WB, ELISA

#### Cross-Reactivity

Mouse, Rat

### Background

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.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

#### Gene ID

3706

#### Swiss Prot

P23677

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 141-461 of human ITPKA (NP\_002211.1).

#### Synonyms

IP3KA; IP3-3KA; ITPKA

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

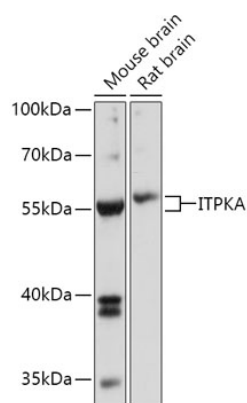
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using ITPKA Rabbit pAb (A17503) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.