

## Anti-ITPK1 Antibody (5K939)

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 46 kDa. Actual: 45 kDa.
Clone:	5K939
Purification:	Protein A purified

### Applications

1. 25 ug total protein per lane of various lysates (see on figure) probed with ITPK1 monoclonal antibody, unconjugated (TMAB-07843) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Human Thyroid Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Ratbbit IgG antibody (red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei
7. Paraformaldehyde-fixed, paraffin embedded Human kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ITPK1 Monoclonal Antibody, Unconjugated (TMAB-07843) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Ratbbit IgG antibody (red, Goat Anti-Rabbit IgG H&L-BF594), DAPI (blue) was used to stain the cell nuclei
- Verified Activity:

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthesized peptide: human ITPK1

Antigen Species: Human

Gene ID: 3705

Uniprot ID: Q13572

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### Research Background

Kinase that can phosphorylate various inositol polyphosphate such as Ins(3,4,5,6)P4 or Ins(1,3,4)P3. Phosphorylates Ins(3,4,5,6)P4 at position 1 to form Ins(1,3,4,5,6)P5.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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