

## Anti-Phospho-CPI17 alpha (Thr38) Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 17 kDa.
Purification:	Protein A purified

### Applications

Verified Activity: Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-CPI17 alpha (Thr38)) Polyclonal Antibody, Unconjugated (TMAB-10535) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Application: IHC-P,IHC-Fr,IF

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

### 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.

### Antigen Details

Immunogen: KLH conjugated Synthesised phosphopeptide: human CPI17 alpha around the phosphorylation site of Thr38

Antigen Species: Human

Gene ID: 94274

Uniprot ID: Q96A00

### Research Background

The protein encoded by this gene belongs to the protein phosphatase 1 (PP1) inhibitor family. This protein is an inhibitor of smooth muscle myosin phosphatase, and has higher inhibitory activity when phosphorylated. Inhibition of myosin phosphatase leads to increased myosin phosphorylation and enhanced smooth muscle contraction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Sep 2011]

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

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