

Anti-Phospho-Cofilin (Ser3) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 18 kDa. Actual: 18 kDa.
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Phospho-Cofilin (Ser3)) Polyclonal Antibody, Unconjugated (TMAB-01400) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Phospho-Cofilin (Ser3)) Polyclonal Antibody, Unconjugated (TMAB-01400) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Sample:

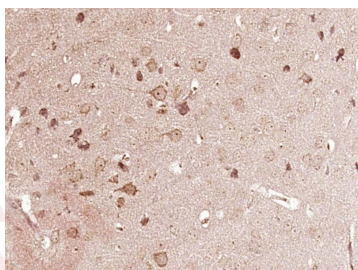
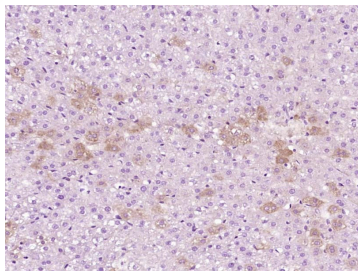
Cerebrum (Mouse) Lysate at 40 µg

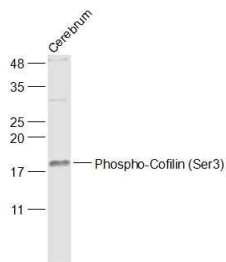
Primary: Anti-Phospho-Cofilin (Ser3) (TMAB-01400) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18 kDa

Observed band size: 18 kDa





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

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

Properties

Stability & Storage: 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 Cofilin around the phosphorylation site of Ser3

Antigen Species: Human

Gene ID: 1072

Uniprot ID: P23528

Synonyms: cofilin 1 (non-muscle);p-Cofilin (Ser3);Cofilin (p-S3);Cofilin (p-Ser3);HEL-S-15;CFL;p-Cofilin (S3)

Biology Area: Cell adhesion,Actins,Cytoskeleton,Axon marker,Axonal Guidance Proteins,Actin Binding Proteins

Research Background

The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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