

Anti-Metallothionein 3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 7.5 kDa.
Purification:	Protein A purified

Applications

1. 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 (Metallothionein 3) Polyclonal Antibody, Unconjugated (TMAB-08763) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Paraformaldehyde-fixed, paraffin embedded (Rat 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 (Metallothionein 3) Polyclonal Antibody, Unconjugated (TMAB-08763) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:

3. Blank control: A549.

Primary Antibody (green line): Rabbit Anti-Metallothionein 3 antibody (TMAB-08763)

Dilution: 1 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-PE

Dilution:0.2 µg /test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg/Test

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 synthetic peptide: human Metallothionein 3
Antigen Species: Human
Gene ID: 4504
Uniprot ID: P25713

Research Background

MT3, Metallothionein 3, binds heavy metals. It contains three zinc and three copper atoms per polypeptide chain and only a negligible amount of cadmium. MT3 inhibits survival and neurite formation of cortical neurons in vitro.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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