

Metallothionein 3 Rabbit pAb

Catalog Number: bs-4940R

Target Protein: Metallothionein 3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF, Flow-Cyt (0.2ug/test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Cow, Dog, Horse)

Predicted MW: 7.5 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 4504

Swiss Prot: P25713

Source: KLH conjugated synthetic peptide derived from human Metallothionein 3: 1-68/68.

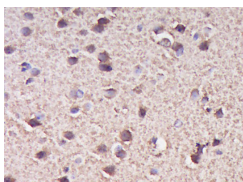
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

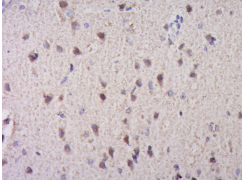
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

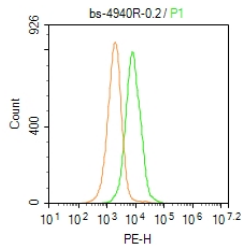
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Metallothionein 3) Polyclonal Antibody, Unconjugated (bs-4940R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Metallothionein 3) Polyclonal Antibody, Unconjugated (bs-4940R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control:A549. Primary Antibody (green line): Rabbit Anti-Metallothionein 3 antibody (bs-4940R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution:0.2µg /test. Protocol The cells were fixed with 4% PFA (10min 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 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.