



Rabbit Anti-Metallothionein 3 antibody

SL4940R

Product Name:	Metallothionein 3
Chinese Name:	金属硫蛋白3抗体
Alias:	Mt3; Mt-3; GIFB; GRIF; Metallothionein III; GIF; Growth inhibitory factor; Metallothionein 3; Metallothionein3; Mt 3; MT III; Metallothionein-3; Growth inhibitory factor; Metallothionein-III; MT-III.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/test (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	7.5kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Metallothionein 3:1-68/68
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. SWISS: P25713

Gene ID:
4504

Database links:

[Entrez Gene: 4504](#)Human

[Entrez Gene: 17751](#)Mouse

[Entrez Gene: 117038](#)Rat

[Olim: 139255](#)Human

[SwissProt: P25713](#)Human

[SwissProt: P28184](#)Mouse

[SwissProt: P37361](#)Rat

[Unigene: 73133](#)Human

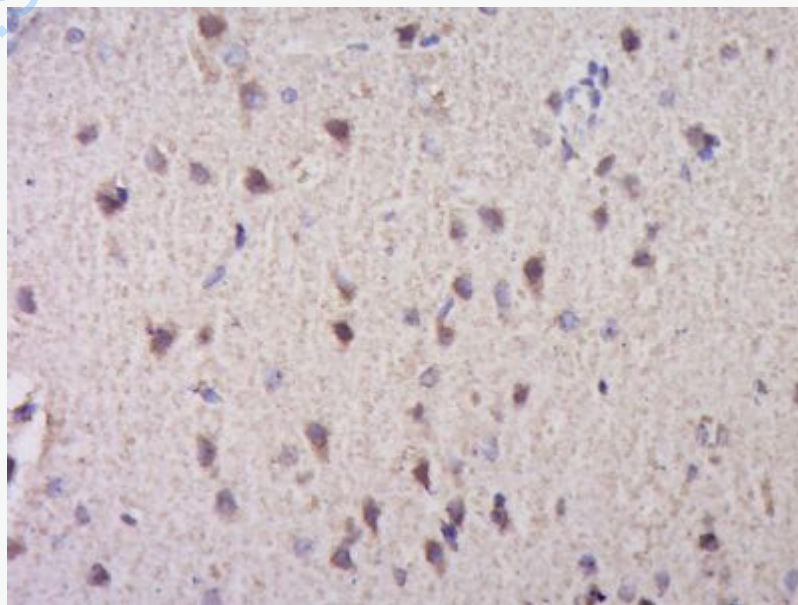
[Unigene: 2064](#)Mouse

[Unigene: 11325](#)Rat

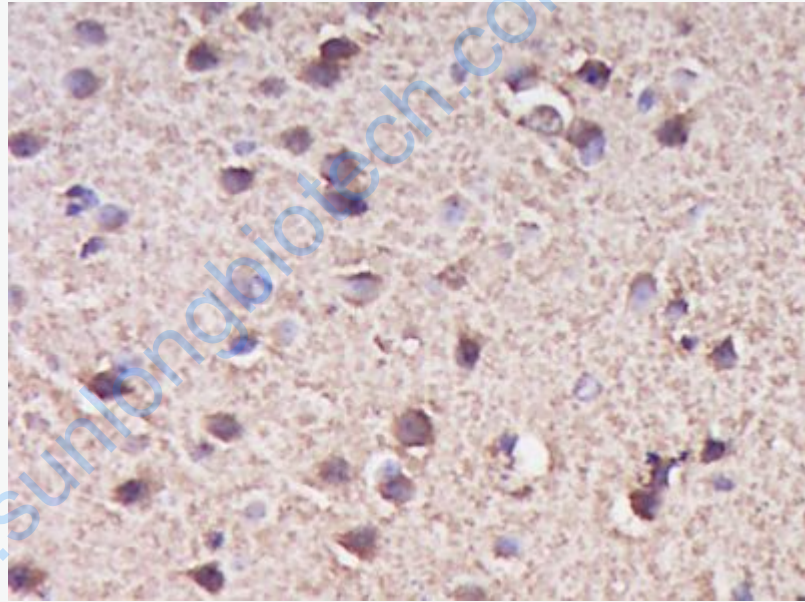
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

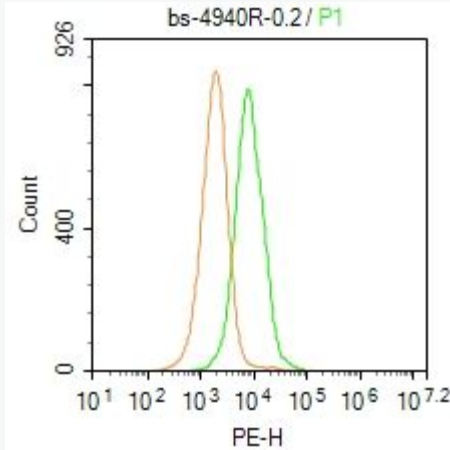
Picture:



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 (SL4940R) 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 (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 (SL4940R) 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 (SL4940R)

Dilution: $1\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: $0.2\mu\text{g} / \text{test}$.

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 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.