



Rabbit Anti-Methionine Sulfoxide Reductase A antibody

SL18805R

Product Name:	Methionine Sulfoxide Reductase A
Chinese Name:	蛋氨酸亚砷还原酶MSRA抗体
Alias:	Cytosolic methionine S sulfoxide reductase; cytosolic methionine-S-sulfoxide reductase; Methionine sulphoxide reductase A; Mitochondrial peptide methionine sulfoxide reductase; MSR A; MSRA; MSRA_HUMAN; peptide met (O) reductase; Peptide Met(O) reductase; Peptide methionine (S) S oxide reductase; Peptide-methionine (S)-S-oxide reductase; PMSR; Protein methionine S oxide reductase; Protein-methionine-S-oxide reductase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,Macaque Monkey
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Methionine Sulfoxide Reductase A:21-120/235
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](#)

This gene encodes a ubiquitous and highly conserved protein that carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein functions in the repair of oxidatively damaged proteins to restore biological activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Function:

Has an important function as a repair enzyme for proteins that have been inactivated by oxidation. Catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine.

Subcellular Location:

Cytoplasm; Cytoplasm. Nucleus and Mitochondrion.

Tissue Specificity:

Ubiquitous. Highest expression in adult kidney and cerebellum, followed by liver, heart ventricles, bone marrow and hippocampus.

Similarity:

Belongs to the MsrA Met sulfoxide reductase family.

Product Detail:**SWISS:**

Q9UJ68

Gene ID:

4482

Database links:

[Entrez Gene: 281312](#) Cow

[Entrez Gene: 4482](#) Human

[Entrez Gene: 110265](#) Mouse

[Entrez Gene: 29447](#) Rat

[Omim: 601250](#) Human

[SwissProt: P54149](#) Cow

[SwissProt: Q9UJ68](#) Human

[SwissProt: Q9D6Y7](#) Mouse

[SwissProt: Q923M1](#) Rat

[Unigene: 490981](#) Human

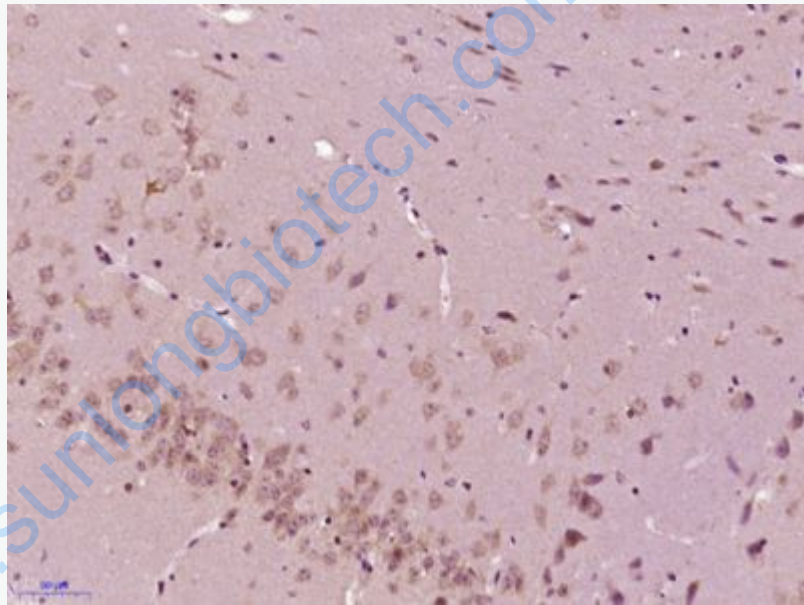
[Unigene: 26713](#) Mouse

[Unigene: 163306](#) Rat

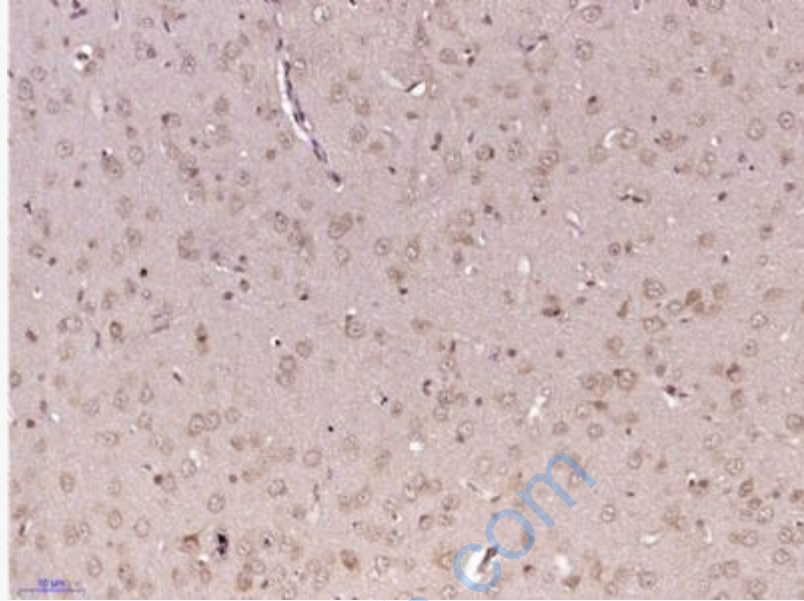
Important Note:

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

Picture:



Paraformaldehyde-fixed, paraffin embedded (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 (Methionine Sulfoxide Reductase A) Polyclonal Antibody, Unconjugated (SL18805R) 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 (Methionine Sulfoxide Reductase A) Polyclonal Antibody, Unconjugated (SL18805R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.