

For Research Use Only

# MSRB2 Polyclonal antibody

Catalog Number: 17629-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

17629-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11881

### GenBank Accession Number:

BC018030

### GeneID (NCBI):

22921

### UNIPROT ID:

Q9Y3D2

### Full Name:

methionine sulfoxide reductase B2

### Calculated MW:

182 aa, 20 kDa

### Observed MW:

19 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

WB: mouse brain tissue, human heart tissue, mouse heart tissue, rat brain tissue

IHC: human kidney tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Methionine sulfoxide reductase B2 (MSRB2), is a 182-amino acid protein with an N-terminal mitochondrial targeting signal, a catalytic cysteine, and 2 zinc-coordinating CxxC motifs. MSRB can catalyze the stereospecific reduction of methionine-R-sulfoxides to methionines. MSRB2 protects mitochondrial integrity and cell survival by scavenging reactive oxygen species.

## Notable Publications

Author	Pubmed ID	Journal	Application
Beibei Tao	28979207	Front Pharmacol	WB
Lo Lai	31606431	Free Radic Biol Med	WB
Zhengxuan Wang	32163604	J Food Biochem	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1%BSA

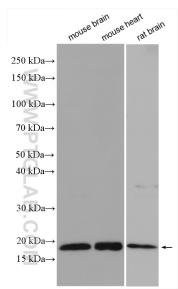
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

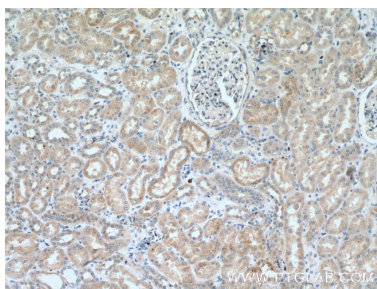
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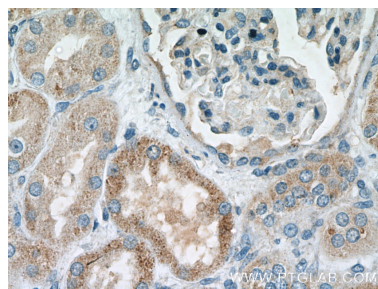
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17629-1-AP (MSRB2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17629-1-AP (MSRB2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17629-1-AP (MSRB2 Antibody) at dilution of 1:200 (under 40x lens).