

For Research Use Only

# MSRB2 Polyclonal antibody

Catalog Number: 17629-1-AP

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 17629-1-AP	<b>GenBank Accession Number:</b> BC018030	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22921	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> methionine sulfoxide reductase B2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 182 aa, 20 kDa	
<b>Immunogen Catalog Number:</b> AG11881	<b>Observed MW:</b> 19 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

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

### Positive Controls:

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

IHC : human kidney tissue,

## 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

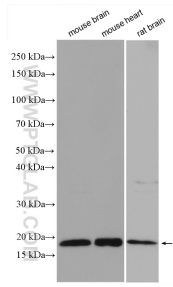
For technical support and original validation data for this product please contact:

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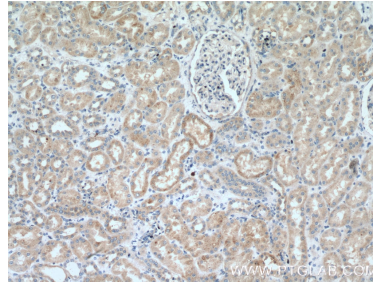
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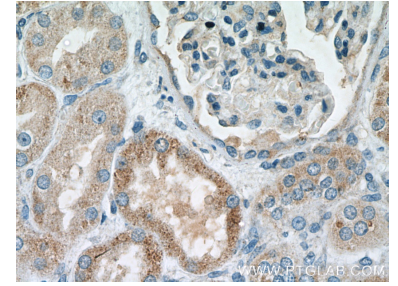
## Selected Validation Data



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).