

For Research Use Only

# MSRA Polyclonal antibody

Catalog Number: 14547-1-AP

15 Publications



## Basic Information

### Catalog Number:

14547-1-AP

### Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6053

### GenBank Accession Number:

BC054033

### GeneID (NCBI):

4482

### UNIPROT ID:

Q9UJ68

### Full Name:

methionine sulfoxide reductase A

### Calculated MW:

26 kDa

### Observed MW:

24-26 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:5000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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: HT-1080 cells, human kidney tissue, mouse kidney tissue, rat kidney tissue

IP: mouse kidney tissue,

IHC: human colon tissue,

IF/ICC: HEK-293 cells,

## Background Information

Methionine sulfoxide reductase A (MSRA), is a ubiquitous and highly conserved protein that carries out the enzymatic reduction of methionine sulfoxide to methionine. MSRA has some isoforms with MW of 19-26 kDa. MSRA functions in the repair of oxidatively damaged proteins to restore biological activity. Transfection of MSRA reduced colony formation and the invasiveness of HCC cell lines.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lo Lai	31606431	Free Radic Biol Med	WB
Qi Zhang	36233020	Int J Mol Sci	IF, WB
Dani Qin	36448374	Cell Biol Int	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

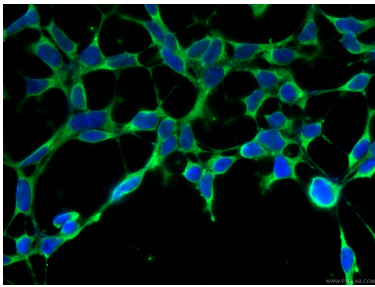
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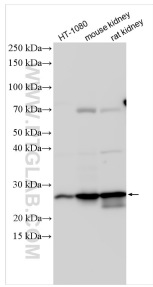
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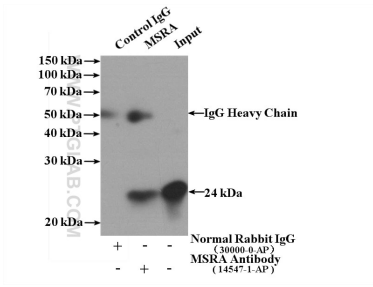
Selected Validation Data



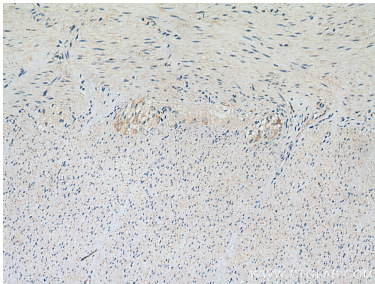
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 14547-1-AP (MSRA antibody), at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



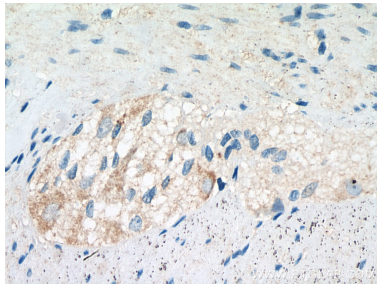
Various lysates were subjected to SDS PAGE followed by western blot with 14547-1-AP (MSRA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-MSRA (IP:14547-1-AP, 4ug; Detection:14547-1-AP 1:600) with mouse kidney tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14547-1-AP (MSRA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14547-1-AP (MSRA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).