

For Research Use Only

# MSRA Recombinant antibody

Catalog Number: 86358-1-RR



## Basic Information

<b>Catalog Number:</b> 86358-1-RR	<b>GenBank Accession Number:</b> BC054033	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 4482	<b>CloneNo.:</b> 251025H2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UJ68	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> methionine sulfoxide reductase A	
<b>Immunogen Catalog Number:</b> AG6053	<b>Calculated MW:</b> 26 kDa <b>Observed MW:</b> 24-26 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, HT-1080 cells, rat kidney tissue IF/ICC : THP-1 cells,
<b>Species Specificity:</b> human, rat	

## Background Information

Methionine sulfoxide reductase A (MSRA) is an antioxidant enzyme found in all domains of life that catalyzes the reduction of methionine-S-sulfoxide (MSO) to methionine in proteins and free amino acids (PMID: 28874471). 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. Studies have demonstrated the downregulation of MSRA in multiple human tumors, including breast cancers and its levels have been linked to advanced tumor grades (PMID: 20937881).

## 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

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

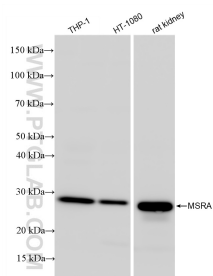
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

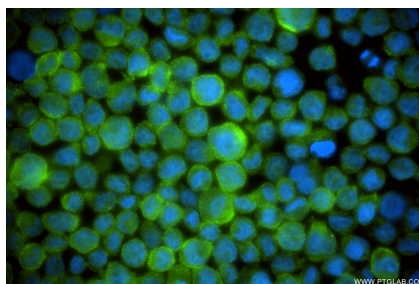
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86358-1-RR (MSRA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using MSRA antibody (86358-1-RR, Clone: 251025H2 ) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).