

For Research Use Only

MSRA Polyclonal antibody

Catalog Number: 14547-1-AP **13 Publications**



Basic Information

Catalog Number: 14547-1-AP	GenBank Accession Number: BC054033	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4482	Recommended Dilutions: WB 1:5000-1:20000
Source: Rabbit	UNIPROT ID: Q9UJ68	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: methionine sulfoxide reductase A	IHC 1:50-1:500
Immunogen Catalog Number: AG6053	Calculated MW: 26 kDa	IF 1:50-1:500
	Observed MW: 24-26 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB : HT-1080 cells, human kidney tissue, mouse kidney tissue, rat kidney tissue
Species Specificity: human, mouse, rat	IP : mouse kidney tissue,
Cited Species: human, rat, mouse	IHC : human colon tissue,
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	IF : 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

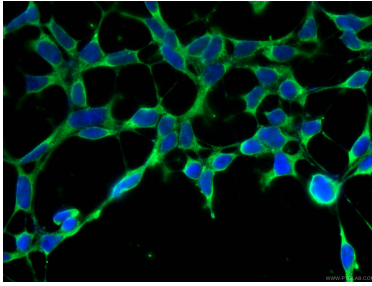
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

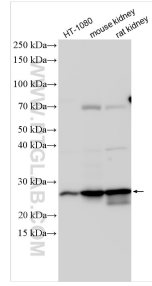
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

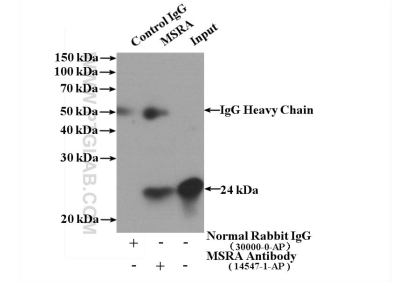
Selected Validation Data



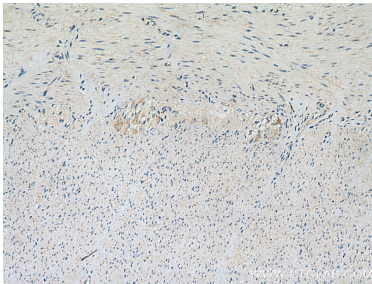
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 14547-1-AP (MSRA antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



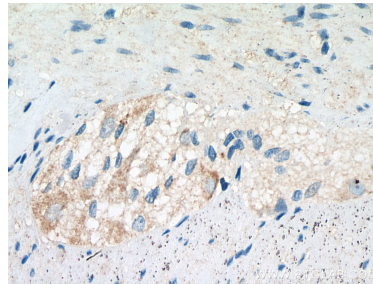
Various lysates were subjected to SDS PAGE followed by western blot with 14547-1-AP (MSRA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).