For Research Use Only

MSRA Polyclonal antibody

Catalog Number:14547-1-AP 13 Publications

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Basic Information

Catalog Number:
14547-1-AP

Size:
150ul , Concentration: 350 µg/ml by Nanodrop and 227 µg/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

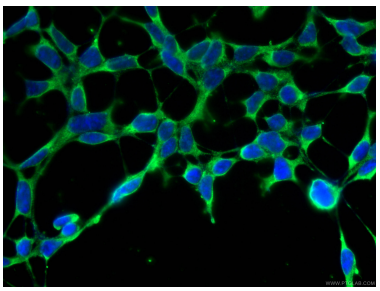
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

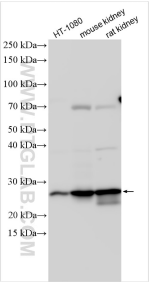
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

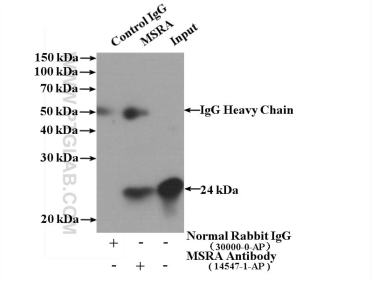
Selected Validation Data



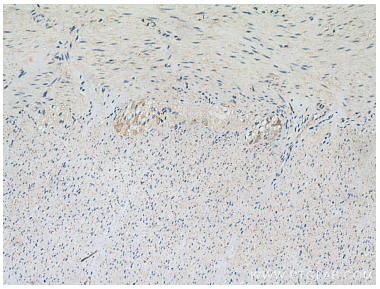
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 14547-1-AP (MSRA antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



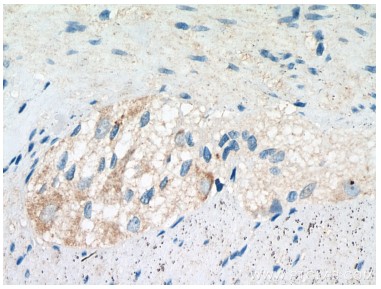
Various lysates were subjected to SDS PAGE followed by western blot with 14547-1-AP (MSRA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).