

Rabbit MSRA Polyclonal Antibody | anti-MSRA antibody

MSRA Antibody (N-term)

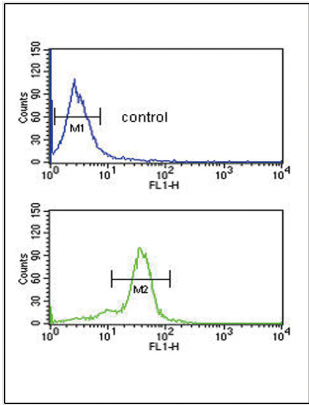
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287640	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

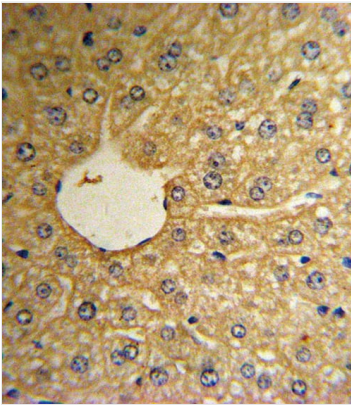
MSRA; Polyclonal Antibody; MSRA Antibody (N-term); Mitochondrial peptide methionine sulfoxide reductase; Peptide-methionine (S)-S-oxide reductase; Peptide Met(O) reductase; Protein-methionine-S-oxide reductase; PMSR; anti-MSRA antibody

PRODUCT SPECIFICATIONS

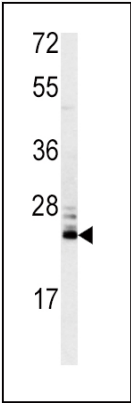
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MSRA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-63 amino acids from the N-terminal region of human MSRA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	34-63
Sequence Length	213
Applicable Applications for anti-MSRA antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



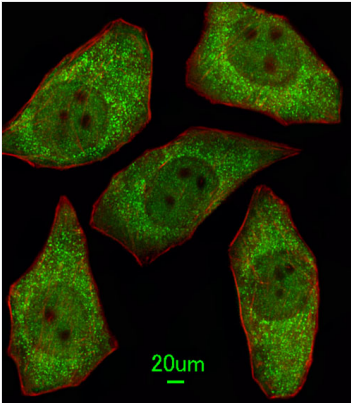
FCM/FACS (Flow Cytometry)
MSRA Antibody (N-term) flow cytometric analysis of MDA-MB435 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with MSRA Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MSRA antibody (N-term) in mouse kidney tissue lysates (35ug/lane). MSRA (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells, using MSRA Antibody (N-term). AAA287640 was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugated Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-MSRA antibody	MSRA is ubiquitous and highly conserved. This protein carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein's proposed function is the repair of oxidative damage to proteins to restore biological activity.
Product Categories/Family for anti-MSRA antibody	Crown Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Pascual,I., Larrayoz,I.M. Genomics 93 (1), 62-71 (2009) Schallreuter,K.U., Rubsam,K. J. Invest. Dermatol. 128 (4), 808-815 (2008) Picot,C.R., Perichon,M. FEBS Lett. 558 (1-3), 74-78 (2004) Vougier,S., Mary,J. Biochem. J. 373 (PT 2), 531-537 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	208609993
NCBI GeneID	4482
NCBI Accession #	NP_001129142.1; NP_001129143.1; NP_001186658.1; NP_036463.1
NCBI GenBank Nucleotide #	NM_001135670.2

UniProt Accession #	Q9UJ68; Q52TC4; Q549N4; Q66MI7; E9PAS8
Molecular Weight	26132
NCBI Official Full Name	mitochondrial peptide methionine sulfoxide reductase isoform b
NCBI Official Synonym Full Names	methionine sulfoxide reductase A
NCBI Official Symbol	MSRA
NCBI Official Synonym Symbols	PMSR
NCBI Protein Information	mitochondrial peptide methionine sulfoxide reductase
UniProt Protein Name	Mitochondrial peptide methionine sulfoxide reductase
UniProt Gene Name	MSRA
UniProt Synonym Gene Names	Peptide Met(O) reductase; PMSR
UniProt Entry Name	MSRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/msra-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/287640>