

Rabbit MSR1 Polyclonal Antibody | anti-MSR1 antibody

MSR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326458	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MSR1; Polyclonal Antibody; MSR1 Antibody; CD204; CD204 antigen; CD24; Macrophage acetylated LDL receptor I and II; Macrophage scavenger receptor 1; Macrophage scavenger receptor type III; Macrophage scavenger receptor types I and II; Msr 1; MSRE_HUMAN; phSR1; phSR2; SCARA 1; SCARA1; Scavenger receptor class A member 1; Scavenger receptor class A; member 1; Scavenger receptor type A; Scvr; SR A; SRA; anti-MSR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MSR1 antibody detects endogenous levels of total MSR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	358
Applicable Applications for anti-MSR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MSR1
Subcellular Location	Membrane.
Tissue Specificity	Isoform I, isoform II and isoform III are expressed in monocyte-derived macrophages. Isoform I and isoform II are expressed in the liver, placenta and brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (92%), Bovine (83%), Horse (100%), Sheep (83%), Rabbit (92%), Dog (83%), Xenopus (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326458 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326458 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MSR1 antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2, using MSR1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MSR1 antibody

Description: This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages. [provided by RefSeq, Jul 2008]
Function: Membrane glycoproteins implicated in the pathologic deposition of cholesterol in arterial walls during atherogenesis. Two types of receptor subunits exist. These receptors mediate the endocytosis of a diverse group of macromolecules, including modified low density lipoproteins (LDL) (PubMed:2251254). Isoform III does not internalize acetylated LDL (PubMed:9548586).
Subunit Structure: Homotrimer (By similarity). Interacts with MYO18A (PubMed:25965346).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505259
NCBI GeneID	4481
NCBI Accession #	NP_002436.1
NCBI GenBank Nucleotide #	NM_002445.3
UniProt Accession #	P21757; O60505; P21759; Q45F10; D3DSP3
Molecular Weight	Observed: 50 kDa Predicted: 50 kDa
NCBI Official Full Name	macrophage scavenger receptor types I and II isoform type 2
NCBI Official Synonym Full Names	macrophage scavenger receptor 1
NCBI Official Symbol	MSR1
NCBI Official Synonym Symbols	SRA; SR-A; CD204; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII
NCBI Protein Information	macrophage scavenger receptor types I and II
UniProt Protein Name	Macrophage scavenger receptor types I and II

UniProt Gene Name	MSR1
UniProt Synonym Gene Names	SCARA1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/msr1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326458>