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## anti-Macrophage Scavenger Receptor 1 antibody (AA 192-451)



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### 1 Image

Overview

Quantity:	100 μL
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Binding Specificity:	AA 192-451
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 192-451 of human MSR1 (NP_619729.1).
Sequence:	LNIENLNGKI QENTFKQQEE ISKLEERVYN VSAEIMAMKE EQVHLEQEIK GEVKVLNNIT  NDLRLKDWEH SQTLRNITLI QGPPGPPGEK GDRGPTGESG PRGFPGPIGP PGLKGDRGAI  GFPGSRGLPG YAGRPGNSGP KGQKGEKGSG NTLTPFTKVR LVGGSGPHEG RVEILHSGQW  GTICDDRWEV RVGQVVCRSL GYPGVQAVHK AAHFGQGTGP IWLNEVFCFG RESSIEECKI  RQWGTRACSH SEDAGVTCTL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

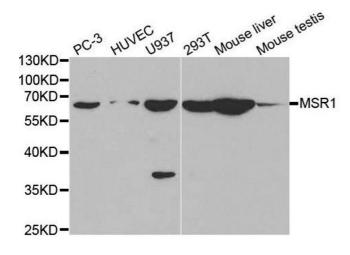
#### **Target Details**

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	MSR1 (MSR1 Products)
Background:	This gene encodes the class A macrophage scavenger receptors, which include three differen
	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.,MSR1,CD204,SCARA1,SR-A,SR-AI,SR-AII,SR-
	AIII,SRA,phSR1,phSR2,Cancer,Endocrine & Metabolism,Lipid Metabolism,Immunology &
	Inflammation,CD markers,Cell Intrinsic Innate Immunity Signaling
	Pathway, Cardiovascular, Heart, Cardiovascular diseases, Heart disease, MSR1
Molecular Weight:	39 kDa/42 kDa/49 kDa
Gene ID:	4481
UniProt:	P21757
Application Details	
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

#### Handling

Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

#### **Images**



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using MSR1 antibody.