

Datasheet for ABIN2789552

anti-Macrophage Scavenger Receptor 1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Binding Specificity:	N-Term
Reactivity:	Human, Pig, Dog, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	VSSTNANDIT QSLTGKGNDS EEEMRFQEVF MEHMSNMEKR IQHILDMEAN
Predicted Reactivity:	Cow: 82%, Dog: 93%, Horse: 85%, Human: 100%, Pig: 82%
Characteristics:	This is a rabbit polyclonal antibody against MSR1. It was validated on Western Blot.
Purification:	Affinity Purified

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 different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are

Target Details

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.

Alias Symbols: CD204, SCARA1, SR-A, phSR1, phSR2, SRA

Protein Interaction Partner: SEC22A, LEPROTL1, MALL, NKG7, ATP6V0C, IQCB1, TRAF6, HSPA1A,

Protein Size: 451

Molecular Weight:	50 kDa
Gene ID:	4481
NCBI Accession:	NM_138715 , NP_619729
UniProt:	P21757

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 451 AA
Restrictions:	For Research Use only

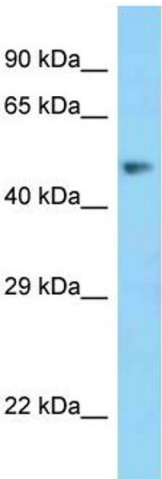
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MSR1 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Liver