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Datasheet for ABIN1537159

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

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Binding Specificity:	AA 336-364, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Macrophage Scavenger Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MSR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-364 amino acids from the C-terminal region of human MSR1.
Clone:	RB36746
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	MSR1 (MSR1 Products)

Target Details

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 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.

Molecular Weight: 49762

Gene ID: 4481

NCBI Accession: [NP_002436](#), [NP_619729](#), [NP_619730](#)

UniProt: [P21757](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

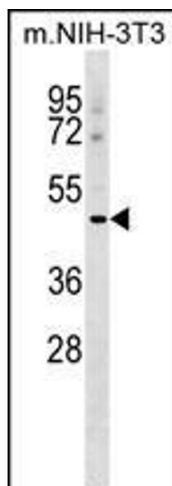
Storage Comment: MSR1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months

Publications

Product cited in: Liu, Wang, Zou, Fan, Hu, Feng, Zhu, Xiong: "Monocyte chemoattractant protein 1 released from macrophages induced by hepatitis C virus promotes monocytes migration." in: **Virus research**, Vol. 240, pp. 190-196, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. MSR1 Antibody (C-term) (ABIN1537159 and ABIN2848653) western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane). This demonstrates the MSR1 antibody detected the MSR1 protein (arrow).