

MSR1 Antibody

Catalog No: #32500

Package Size: #32500-1 50ul #32500-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

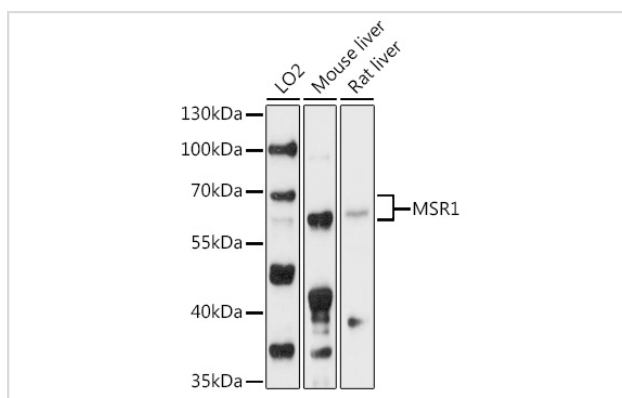
Description

Product Name	MSR1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MSR1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human MSR1 (NP_619729.1).
Target Name	MSR1
Other Names	MSR1;CD204;SCARA1;SR-A;SR-AI;SR-AII;SR-AIII;SRA;phSR1;phSR2
Accession No.	Uniprot:P21757GeneID:4481
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SDS-PAGE MW	60-90kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000

Images



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

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.

Note: This product is for in vitro research use only