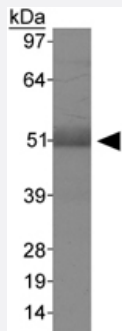


MSR1 polyclonal antibody

Catalog # PAB12379 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of MSR1 in human liver using MSR1 polyclonal antibody (Cat # PAB12379).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MSR1.
Immunogen	A synthetic peptide (linear form) corresponding to amino acids 300-400 of human MSR1.
Host	Rabbit
Reactivity	Bovine, Dog, Horse, Human, Mouse, Primates, Rat
Form	Liquid
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of MSR1 in human liver using MSR1 polyclonal antibody (Cat # PAB12379).

- Immunocytochemistry
- Immunofluorescence

Gene Info — MSR1

Entrez GeneID [4481](#)

Protein Accession# [P21757](#)

Gene Name MSR1

Gene Alias CD204, SCARA1, SR-A, phSR1, phSR2

Gene Description macrophage scavenger receptor 1

Omim ID [153622](#) [176807](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations OTTHUMP00000120049|OTTHUMP00000120050|macrophage acetylated LDL receptor I and II|macrophage scavenger receptor type III|scavenger receptor class A, member 1

Disease

- [Alzheimer disease](#)

- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Osteoporosis](#)
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- [Prostate cancer](#)
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- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)