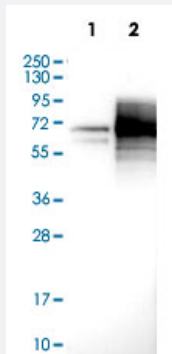


MSR1 polyclonal antibody

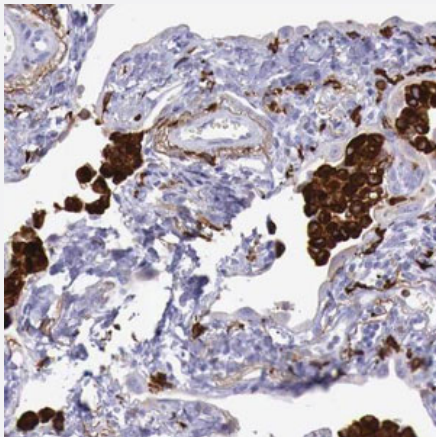
Catalog # PAB30252 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with MSR1 polyclonal antibody (Cat # PAB30252) at 1:100 - 1:250 dilution
Lane 1: Negative control (vector only transfected HEK293T lysate)
Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung with MSR1 polyclonal antibody (Cat # PAB30252) shows strong cytoplasmic positivity in macrophages at 1:50 - 1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human MSR1.
Immunogen	Recombinant protein corresponding to amino acids of human MSR1.
Sequence	KWETKNCSVSSTNANDITQSLTGKGNDSEEEMRFQEVFMEHMSNMEKRIQHILDMEANLMDTEH FQNFSMTTDQRFNDILLQLSTLFSSVQGHGNAIDEISKSLISLNTTLLDLQLNIENL
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. 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 (Cell lysate)

Western Blot (Cell lysate) analysis with MSR1 polyclonal antibody (Cat # PAB30252) at 1:100 - 1:250 dilution

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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

Publication Reference

- [Co-targeting FAK and Gli1 inhibits the tumor-associated macrophages-released CCL22-mediated esophageal squamous cell carcinoma malignancy.](#)

Jie Chen, Yanmeng Zhu, Di Zhao, Lingyuan Zhang, Jing Zhang, Yuanfan Xiao, Qingnan Wu, Yan Wang, Qimin Zhan.

MedComm 2023 Oct; 4(6):e381.

Application: IHC, Human, KYSE410, KYSE510 (esophageal squamous cell carcinoma, ESCC cells)

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](#)
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