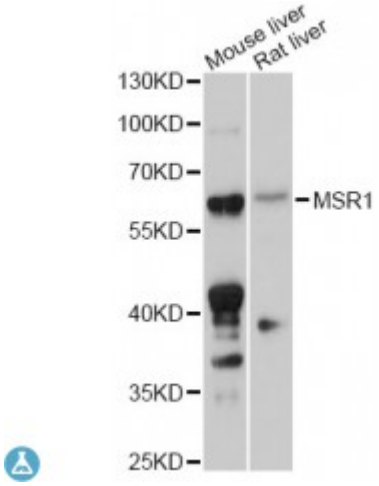
Anti-MSR1 Antibody



Description	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.
Model	STJ116120
Host	Rabbit
Reactivity	Mouse, Rat
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 192-451 of human MSR1 (NP_619729.1).
Gene ID	4481
Gene Symbol	MSR1
Dilution range	WB 1:500 - 1:2000

	IF 1:50 - 1:200
Tissue Specificity	Isoform I, isoform II and isoform III are expressed in monocyte-derived macrophages, Isoform I and isoform II are expressed in the liver, placenta and brain
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Macrophage scavenger receptor types I and II Macrophage acetylated LDL receptor I and II Scavenger receptor class A member 1 CD antigen CD204
Molecular Weight	49.762 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:7376OMIM:153622Reactome:R-HSA-3000480
Alternative Names	Macrophage scavenger receptor types I and II Macrophage acetylated LDL receptor I and II Scavenger receptor class A member 1 CD antigen CD204
Function	Membrane glycoproteins implicated in the pathologic deposition of cholesterol in arterial walls during atherogenesis, Two types of receptor subunits exist, These receptors mediate the endocytosis of a diverse group of macromolecules, including modified low density lipoproteins (LDL) ,
Cellular Localization	Membrane