



CD204 Polyclonal Antibody

Catalog No	YP-Ab-10680
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	MSR1 SCARA1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MSR1. AA range:241-290
Specificity	The antibody detects endogenous CD204
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Scavenger receptor class A member 1;SCARA1;MSR1;Macrophage scavenger receptor types I and II;Macrophage acetylated LDL receptor I and II;CD204; MSR1 SCARA1;Macrophage scavenger receptor types I and II (Macrophage acetylated LDL receptor I and II) (Scavenger receptor class A member 1) (CD antigen CD204);Macrophage scavenger receptor types I and II (Macrophage acetylated LDL receptor I and II;CD antigen CD204)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane; Single-pass type II membrane protein.
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.
Function	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). Isoform III does not internalize actetylated LDL.,similarity:Contains 1 collagen-like domain.,



similarity: Contains 1 SRCR domain., subunit: Homotrimer., tissue specificity: Isoform I, isoform II and isoform III are expressed in monocyte-derived macrophages.,

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

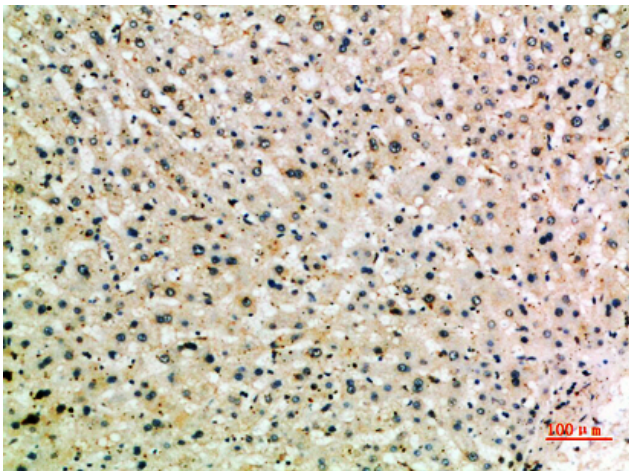
matters needing attention

Avoid repeated freezing and thawing!

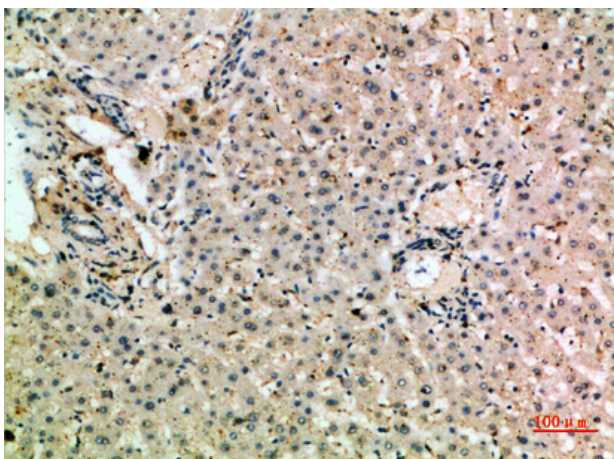
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200



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