

Summary

Production Name	CD204 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MSR1 SCARA1
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)
Gene ID	4481.0
SwissProt ID	P21757.The antiserum was produced against synthesized peptide derived from the Internal region of human MSR1. AA range:241-290

Application

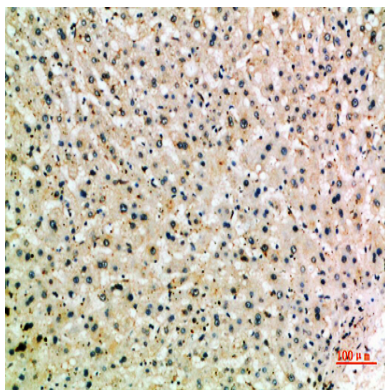
Dilution Ratio	IHC-P 1:50-200, ELISA 1:10000-20000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	

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 2. 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 acetylated 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.,

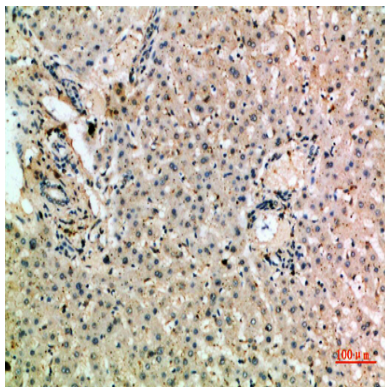
Research Area

Image Data



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

Product Name: CD204 Rabbit Polyclonal Antibody
Catalog #: APRab08274



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

Note

For research use only.