

## Summary

<b>Production Name</b>	CD204 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

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

## Immunogen

<b>Gene Name</b>	MSR1 SCARA1
<b>Alternative Names</b>	Macrophage scavenger receptor types I and II (Macrophage acetylated LDL receptor I and II;Scavenger receptor class A member 1;CD antigen CD204)
<b>Gene ID</b>	4481.0
<b>SwissProt ID</b>	P21757.The antiserum was produced against synthesized peptide derived from the Internal region of human MSR1. AA range:241-290

## Application

<b>Dilution Ratio</b>	IHC 1:50-200, ELISA 1:10000-20000.
<b>Molecular Weight</b>	

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**Catalog #: APRab08274**

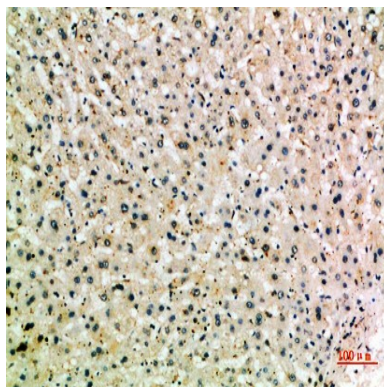


## Background

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 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.,

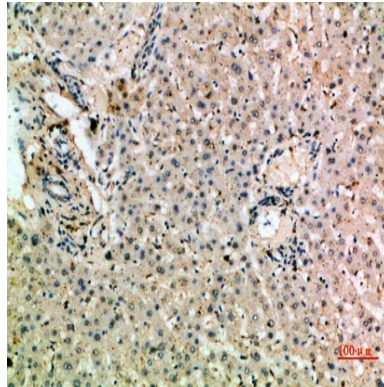
## Research Area

## Image Data



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

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

**Note**

For research use only.