

**Product Name: CD204 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08274**



## Summary

|                        |                                  |
|------------------------|----------------------------------|
| <b>Production Name</b> | CD204 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody       |
| <b>Host</b>            | Rabbit                           |
| <b>Application</b>     | IHC-P,IF-P,IF-F,ICC/IF,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% protective protein 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

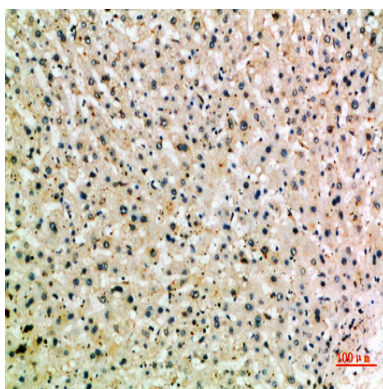
|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| <b>Dilution Ratio</b>   | IHC-P 1:50-200, ELISA 1:10000-20000, IF-P/IF-F/ICC/IF 1:50-200 |
| <b>Molecular Weight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

## 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

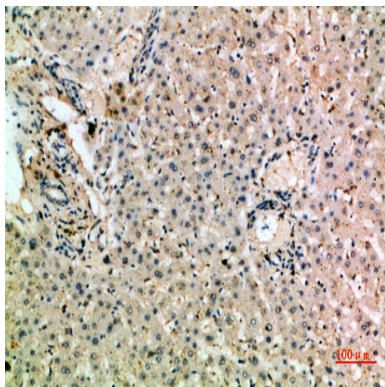
## Image Data



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.