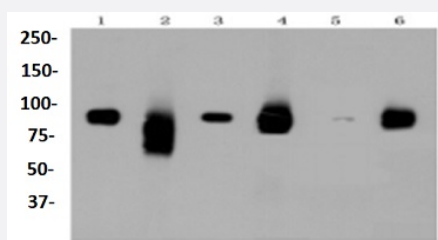


RecomAb™

# LRP1 recombinant monoclonal antibody

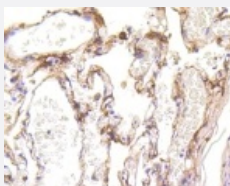
Catalog # RAB02655      Size 100 uL

## Applications



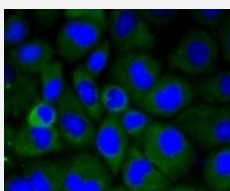
### Western Blot

Western blot analysis of Lane1:The liver tissue lysate of Mouse Lane2:The brain tissue lysate of Mouse Lane3:The lung tissue lysate of Mouse Lane4:The liver tissue lysate of Human Lane5:HepG2 whole cell lysate Lane6:The lung tissue lysate of Human with LRP1 recombinant monoclonal antibody (Cat # RAB02655) at 1:1000 dilution.



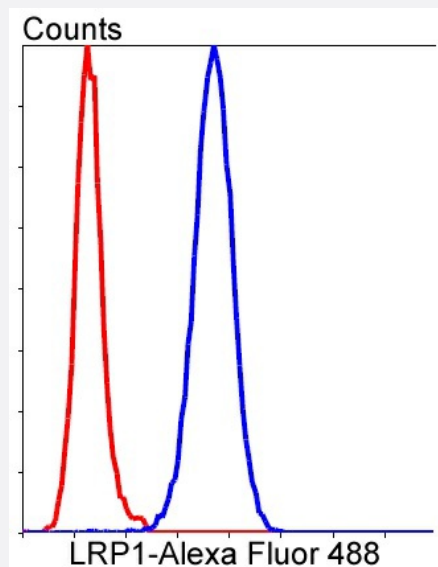
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung tissue using LRP1 recombinant monoclonal antibody (Cat # RAB02655). Counter stained with hematoxylin.



### Immunocytochemistry

Immunocytochemical staining of HUVEC cells using LRP1 recombinant monoclonal antibody (Cat # RAB02655). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.



## Flow Cytometry

Flow cytometric analysis of Hela cells with LRP1 recombinant monoclonal antibody (Cat # RAB02655) at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor® 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Specification

|                             |                                                                                                                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against LRP1.                                                                                                                                                                                                                       |
| <b>Antibody Species</b>     | Rabbit                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>            | Original antibody is raised against recombinant LRP1.                                                                                                                                                                                                                             |
| <b>Theoretical MW (kDa)</b> | 85                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>           | Human, Mouse, Rat                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>          | This antibody detects endogenous levels of LRP1 and does not cross-react with related proteins.                                                                                                                                                                                   |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                            |
| <b>Purification</b>         | Protein A purification                                                                                                                                                                                                                                                            |
| <b>Isotype</b>              | IgG                                                                                                                                                                                                                                                                               |
| <b>Recommend Usage</b>      | Flow Cytometry (1:10-1:100)<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Immunoprecipitation (1:50-1:200)<br>Western Blot (1:1000-1:5000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)                                                                                                                                                                                                                              |

**Storage Instruction**

Store at 4°C short term.  
Aliquot and store at -20°C long term.  
Avoid freeze-thaw cycles.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Lane1:The liver tissue lysate of Mouse Lane2:The brain tissue lysate of Mouse Lane3:The lung tissue lysate of Mouse Lane4:The liver tissue lysate of Human Lane5:HepG2 whole cell lysate Lane6:The lung tissue lysate of Human with LRP1 recombinant monoclonal antibody (Cat # RAB02655) at 1:1000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung tissue using LRP1 recombinant monoclonal antibody (Cat # RAB02655). Counter stained with hematoxylin.

- Immunohistochemistry

- Immunocytochemistry

Immunocytochemical staining of HUVEC cells using LRP1 recombinant monoclonal antibody (Cat # RAB02655). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

- Immunofluorescence

- Flow Cytometry

Flow cytometric analysis of Hela cells with LRP1 recombinant monoclonal antibody (Cat # RAB02655) at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor® 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Gene Info — LRP1

**Entrez GeneID**[4035](#)**Protein Accession#**[Q07954](#)**Gene Name**

LRP1

**Gene Alias**

A2MR, APOER, APR, CD91, FLJ16451, IGFBP3R, LRP, MGC88725, TGFBRS

**Gene Description**

low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)

|                    |                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Omim ID            | <a href="#">107770</a>                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                         |
| Other Designations | TbetaR-V/LRP-1/IGFBP-3 receptor alpha-2-macroglobulin receptor low density lipoprotein-related protein 1 type V tgf-beta receptor |

## Disease

- [Alzheimer disease](#)
- [Amnesia](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cystadenocarcinoma](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Glomerulonephritis](#)
- [Hyperlipoproteinemia Type II](#)
- [Kidney Failure](#)
- [Memory Disorders](#)
- [Metabolic Syndrome X](#)
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- [Venous Thrombosis](#)
- [Werner syndrome](#)