

For Research Use Only

# LRP1 Polyclonal antibody

Catalog Number: 26106-1-AP

1 Publications



## Basic Information

**Catalog Number:**

26106-1-AP

**Concentration:**

400 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG23098

**GenBank Accession Number:**

BC045107

**GeneID (NCBI):**

4035

**UNIPROT ID:**

Q07954

**Full Name:**

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

**Calculated MW:**

505 kDa

**Observed MW:**

85-90 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, ColP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

WB : HEK-293 cells, HeLa cells

IP : mouse liver tissue,

IHC : mouse brain tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

LRP1 (Prolow-density lipoprotein receptor-related protein 1), also known as A2MR, is a multifunctional cell surface receptor that interacts through its cytoplasmic tail with adaptor and scaffold proteins that participate in cellular signaling. It is synthesized in the endoplasmic reticulum as a transmembrane glycosylated precursor that migrates with an apparent molecular mass of about 600 kd on SDS-polyacrylamide gels. After it reaches the Golgi complex, the protein is cleaved to generate two subunits with apparent molecular masses of approximately 515 and 85 kd respectively (PMID: 2112085). It involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. Acts as an LRPAP1 alpha-2-macroglobulin receptor. May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PMID:12888553).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hansen Lin	38462037	Cancer Lett	WB,IHC,IF,ColP

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

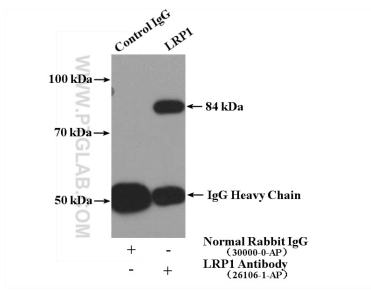
T: 4006900926

E: Proteintech-CN@ptglab.com

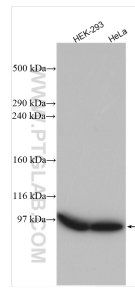
W: ptgcn.com

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## Selected Validation Data



IP result of anti-LRP1 (IP:26106-1-AP, 4ug; Detection:26106-1-AP 1:300) with mouse liver tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 26106-1-AP (LRP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

