

For Research Use Only

LRP1 Polyclonal antibody

Catalog Number: 26106-1-AP



Basic Information

Catalog Number: 26106-1-AP	GenBank Accession Number: BC045107	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 4035	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
Source: Rabbit	Full Name: low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	
Isotype: IgG	Calculated MW: 505 kDa	
Immunogen Catalog Number: AG23098	Observed MW: 85-90 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells
Species Specificity: human, mouse	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 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).

Storage

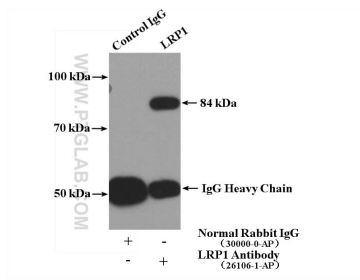
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

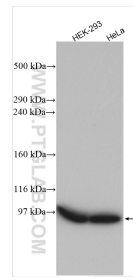
For technical support and original validation data for this product please contact:
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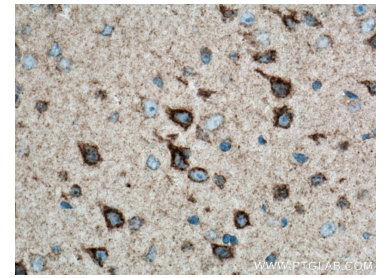
Selected Validation Data



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



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.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26106-1-AP (LRP1 antibody) at dilution of 1:200 (under 0x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).