For Research Use Only

LDLR Polyclonal antibody

Catalog Number:10785-1-AP Featured Product 89 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
10785-1-AP

Size:
800 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1236

GenBank Accession Number:
BC014514

GeneID (NCBI):
3949

ENSEMBL Gene ID:
ENSG00000130164

UNIPROT ID:
P01130

Full Name:
low density lipoprotein receptor

Calculated MW:
95 kDa

Observed MW:
100-160 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:500-1:2000
IF 1:50-1:500

Applications

Tested Applications:
FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
FC, IF, IHC, IP, WB

Species Specificity:
human, mouse

Cited Species:
human, Chicken, rat, mouse, Hamster, pig

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

Positive Controls:

WB : HeLa cells, Jurkat cells, human brain tissue, Raji cells, mouse brain tissue, HL-60 cells

IP : HeLa cells,

IHC : mouse brain tissue, human brain tissue, mouse liver tissue, human pancreas tissue, human colon cancer tissue

IF : HeLa cells,

Background Information

LDLR (low density lipoprotein receptor) is a member of the LDL receptor gene family and is involved in receptor-mediated endocytosis of specific ligands. The LDLR is a cell surface glycoprotein that scavenges LDL from the blood and regulates plasma LDL cholesterol. The cytoplasmic domain of the LDL receptor is necessary for the receptor to cluster in coated pits, which promotes the rapid endocytosis of bound LDL. The protein is highly glycosylated through N- and O-linkages and thus migrates at 100 to 160 kDa bands on SDS-PAGE.

Notable Publications

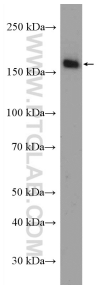
Author	Pubmed ID	Journal	Application
Haiyan He	36125039	Food Funct	WB
Yimin Jia	27648945	J Agric Food Chem	WB
Yong Huang	32938225	Am J Physiol Cell Physiol	WB

Storage

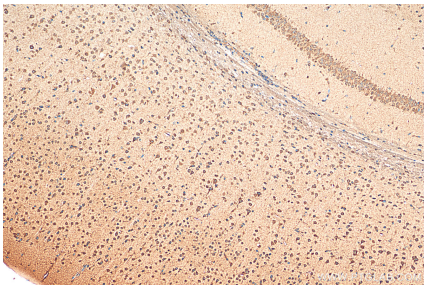
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

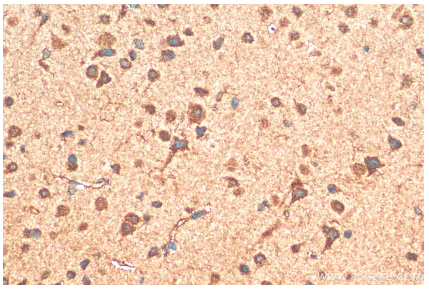
Selected Validation Data



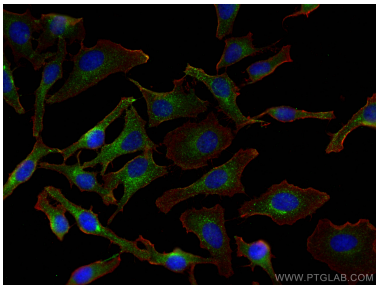
HeLa cells were subjected to SDS PAGE followed by western blot with 10785-1-AP (LDLR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



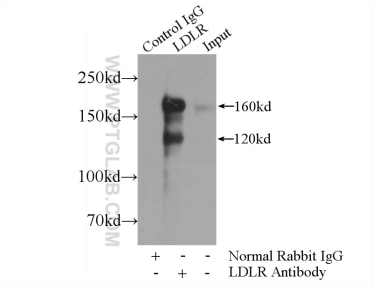
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10785-1-AP (LDLR antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



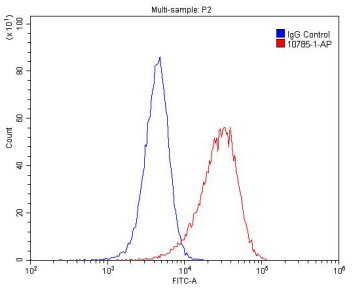
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10785-1-AP (LDLR antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using LDLR antibody (10785-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Beta Actin antibody (66009-1-Ig, Clone: 2D4H5, red).



IP result of anti-LDLR (IP:10785-1-AP, 5ug; Detection:10785-1-AP 1:500) with HeLa cells lysate 1200ug.



1X10^6 HeLa cells were stained with .2ug LDLR antibody (10785-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.