

For Research Use Only

# LDLR Recombinant antibody

Catalog Number: 82724-1-RR



## Basic Information

<b>Catalog Number:</b> 82724-1-RR	<b>GenBank Accession Number:</b> BC014514	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3949	<b>CloneNo.:</b> 1011
<b>Source:</b> Rabbit	<b>Full Name:</b> low density lipoprotein receptor	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 95 kDa	
<b>Immunogen Catalog Number:</b> AG1236	<b>Observed MW:</b> 140-160 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Species Specificity:**  
Human, Mouse, Rat

**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 : HepG2 cells, HeLa cells, MCF-7 cells, mouse liver tissue, rat liver tissue

IHC : mouse brain tissue,

## 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.

## 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

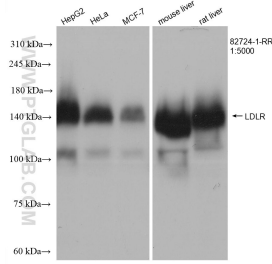
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

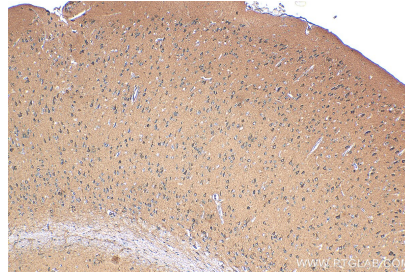
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

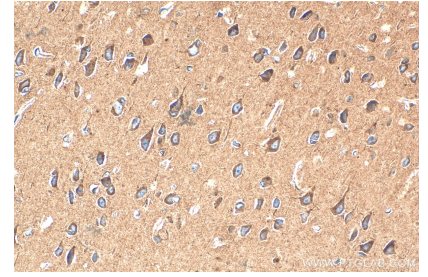
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82724-1-RR (LDLR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82724-1-RR (LDLR antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82724-1-RR (LDLR antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).