

Recombinant

DGRmAb®

LRP1 (DGR12006) Rabbit mAb

db11001

Package : 10µL 20µL 50µL 100µL

Product Name : LRP1 (DGR12006) Rabbit mAb**Cat.No.:** db11001**Synonyms** : APR; KPA; LRP; A2MR; CD91; APOER; LRP1A; TGFBR5; IGFBP3R**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

This gene encodes a member of the low-density lipoprotein receptor family of proteins. The encoded preproprotein is proteolytically processed by furin to generate 515 kDa and 85 kDa subunits that form the mature receptor (PMID: 8546712). This receptor is involved in several cellular processes, including intracellular signaling, lipid homeostasis, and clearance of apoptotic cells. In addition, the encoded protein is necessary for the alpha 2-macroglobulin-mediated clearance of secreted amyloid precursor protein and beta-amyloid, the main component of amyloid plaques found in Alzheimer patients. Expression of this gene decreases with age and has been found to be lower than controls in brain tissue from Alzheimer's disease patients. [provided by RefSeq, Oct 2015]

Immunogen

A synthetic peptide of human LRP1

Gene ID

4035

Swiss Prot

Q07954

Synonyms

APR; KPA; LRP; A2MR; CD91; APOER; LRP1A; TGFBR5; IGFBP3R

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:2000-1:20000

IHC-P: 1:50-1:100

ICC/IF: 1:100

FC: 1:100

IP: 1:20-1:50

Calculated MW

85 kDa

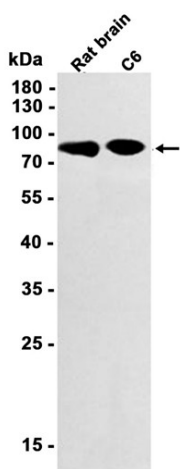
Observed MW

85 kDa

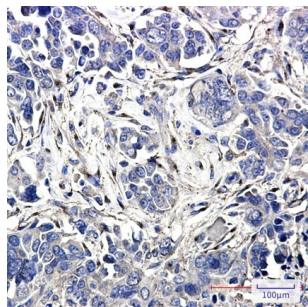
Host species

Rabbit

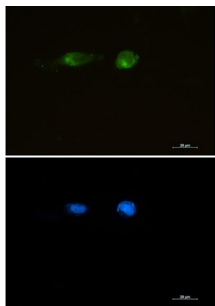
Clonality	Monoclonal
Clonality No.	DGR12006
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



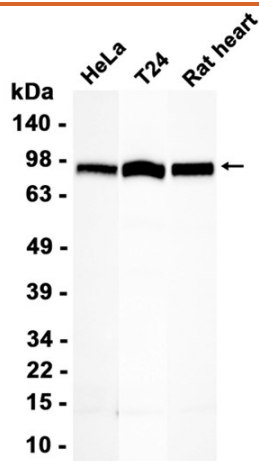
Western blot analysis of extracts from C6 cells and Rat brain tissue using db11001 at 1:1000.



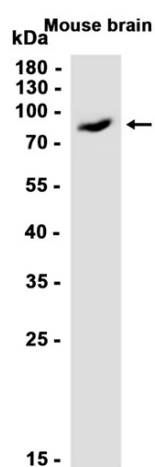
Immunohistochemical analysis of paraffin-embedded human Cholangiocarcinoma using db11001 antibody.



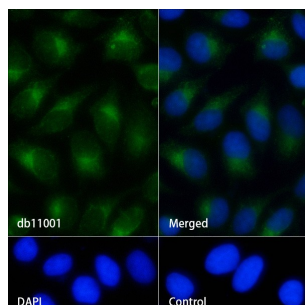
Immunofluorescent analysis of U87-MG cells using db11001 antibody (green), and DAPI (blue).



Western blot analysis of extracts from HeLa, T24 cells, and Rat heart tissue using db11001 at 1:2000.



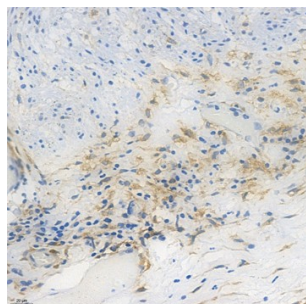
Western blot analysis of extracts from Mouse brain tissue using db11001 at 1:1000.



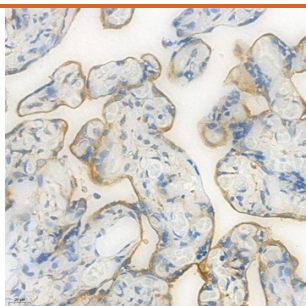
Immunofluorescence analysis of HeLa cells labelling LRP1 with db11001.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11001 (1:100) at room temprature for 1h, followed by a further incubation at room temprature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

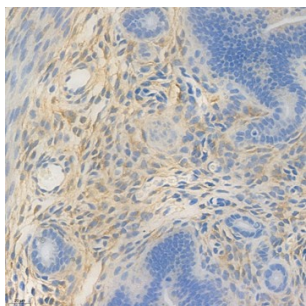
Control: Secondary antibody only.



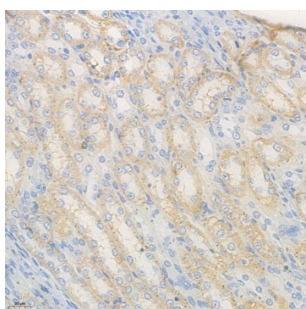
Immunohistochemical analysis of paraffin-embedded human appendiceal tissue labeling LRP1 with db11001. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placental tissue labeling LRP1 with db11001. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse uterine tissue labeling LRP1 with db11001. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat renal tissue labeling LRP1 with db11001. Counter stained with Hematoxylin.