

Recombinant

DGRmAb®

LRP1 (DGR12006) Rabbit mAb (PBS Only)

db11001-PBS

Package : 10µg 100µg

Product Name : LRP1 (DGR12006) Rabbit mAb (PBS Only)**Cat.No.:** db11001-PBS**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

Calculated MW

85 kDa

Observed MW

85 kDa

Host species

Rabbit

Clonality

Monoclonal

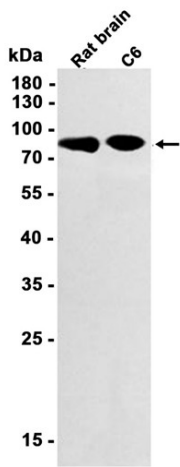
Clonality No.

DGR12006

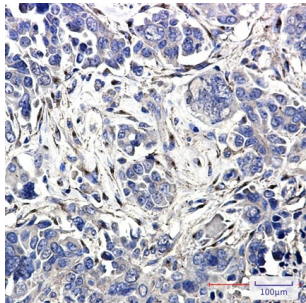
Isotype

IgG

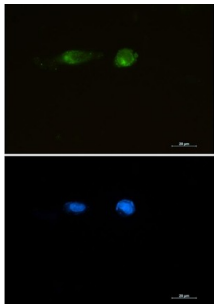
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



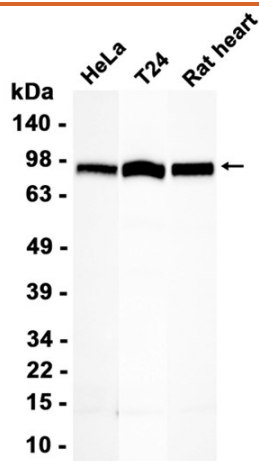
Western blot analysis of extracts from C6 cells and Rat brain tissue using [db11001](#) at 1:1000.



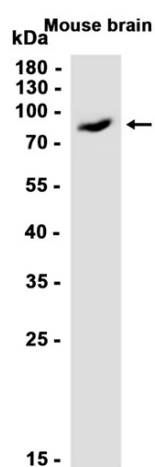
Immunohistochemical analysis of paraffin-embedded human Cholangiocarcinoma using [db11001](#) antibody.



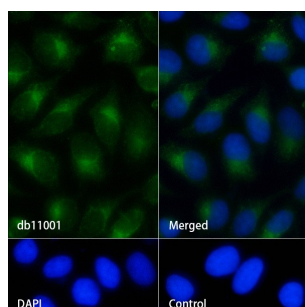
Immunofluorescent analysis of U87-MG cells using [db11001](#) antibody (green), and DAPI (blue).



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.

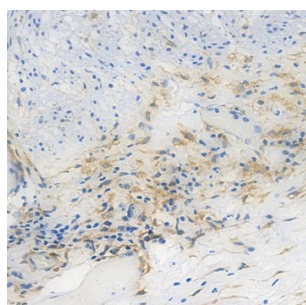


Immunofluorescence analysis of HeLa cells labelling LRP1 with **db11001**.

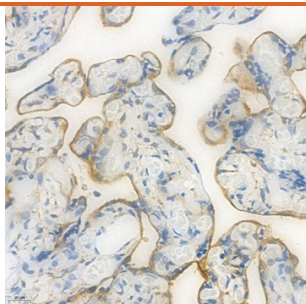
The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with **db11001** (1:100) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti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

Nuclear DNA was labeled in blue with DAPI.

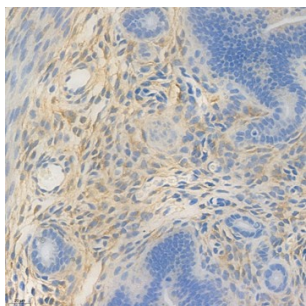
Control: Secondary antibody only.



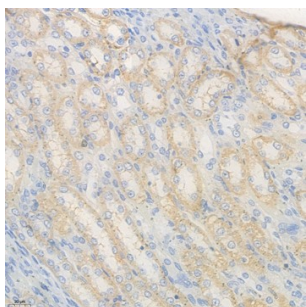
Immunohistochemical analysis of paraffin-embedded human appendiceal tissue labeling LRP1 with **db11001**. Counter stained with Hematoxylin.



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.