

[KO Validated] LRP1 Rabbit mAb

Catalog No.: A29435 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

85 kDa

Calculated MW

32 kDa/505 kDa

Category

Primary antibody

Applications

WB, IP, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4120

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.

Recommended Dilutions

WB 1:10000-1:100000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**IHC-P** 1:200 - 1:800**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

4035

Swiss Prot

Q07954

Immunogen

This information is considered to be commercially sensitive.

Synonyms

APR; KPA; LRP; A2MR; CD91; DDH3; APOER; LRP1A; TGFBRS5; IGFBP3R; IGFBP-3R; IGFBP3R1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

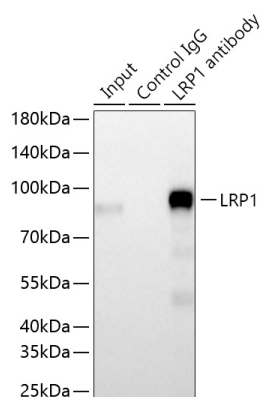
Contact

☎ | 400-999-6126

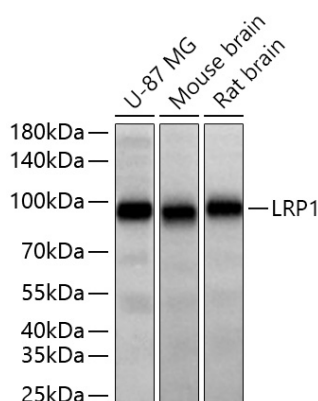
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

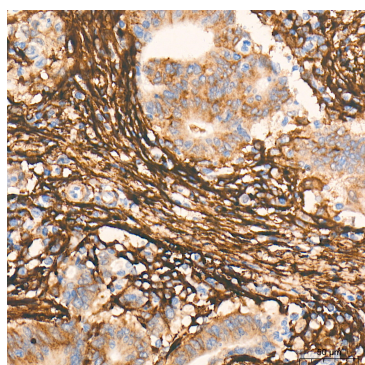
Validation Data



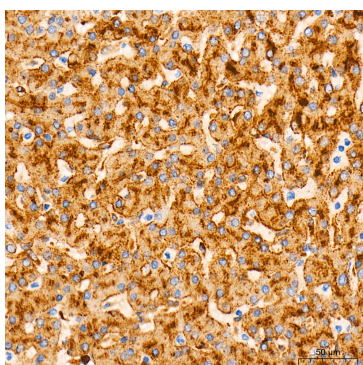
Immunoprecipitation of LRP1 from 400 µg extracts of A549 cells was performed using 2 µg of [KO Validated] LRP1 Rabbit mAb (A29435). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:1000.



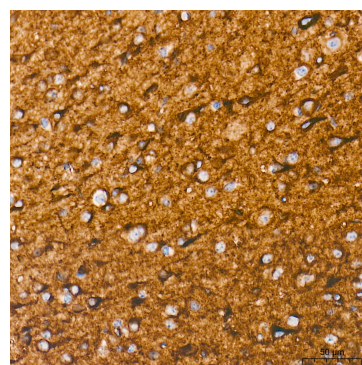
Western blot analysis of various lysates using [KO Validated] LRP1 Rabbit mAb (A29435) at 1:50000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

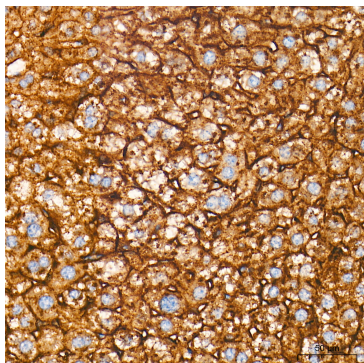


Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

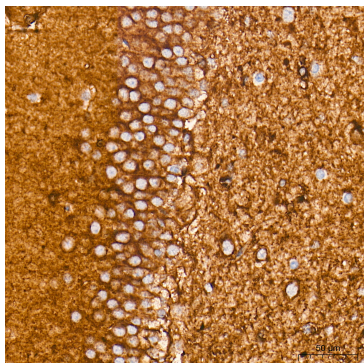


Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

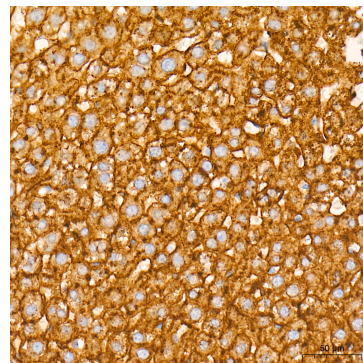
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using [KO Validated] LRP1 Rabbit mAb (A29435) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.