

LRP1

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IF IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100
IP 1:20 - 1:50 FC 1:10 - 1:50

Calculated MW: 85 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human LRP1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

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

Catalog #: A10963

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID: 4035

Isotype: IgG

Swiss Prot: Q07954

Purity: Affinity purification

For research use only.

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.

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