

**LRP1 Antibody**  
**Rabbit mAb**  
**Catalog # AP90262****Specification**

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**LRP1 Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">Q07954</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
A2MR; alpha 2MR; Alpha 2 macroglobulin receptor; CD91; APR; LRP1; LRP85; TGFBFR5;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	504606 Da

**LRP1 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human LRP1
Description	Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission. Functions as a receptor for Pseudomonas aeruginosa exotoxin A. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage Condition and Buffer	

**LRP1 Antibody - Protein Information****Name** LRP1 ([HGNC:6692](#))**Synonyms** A2MR, APR

**Function**

Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells (PubMed:<a href="http://www.uniprot.org/citations/11907044" target="\_blank">11907044</a>, PubMed:<a href="http://www.uniprot.org/citations/12713657" target="\_blank">12713657</a>). Required for early embryonic development (By similarity). Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. Acts as an LRPAP1 alpha-2- macroglobulin receptor (PubMed:<a href="http://www.uniprot.org/citations/1702392" target="\_blank">1702392</a>, PubMed:<a href="http://www.uniprot.org/citations/26142438" target="\_blank">26142438</a>). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed:<a href="http://www.uniprot.org/citations/32296178" target="\_blank">32296178</a>). May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed:<a href="http://www.uniprot.org/citations/12888553" target="\_blank">12888553</a>). Acts also as a receptor for IGFBP3 to mediate cell growth inhibition (PubMed:<a href="http://www.uniprot.org/citations/9252371" target="\_blank">9252371</a>).

**Cellular Location**

[Low-density lipoprotein receptor-related protein 1 85 kDa subunit]: Cell membrane; Single-pass type I membrane protein Membrane, coated pit [Low-density lipoprotein receptor-related protein 1 intracellular domain]: Cytoplasm Nucleus. Note=After cleavage, the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus.

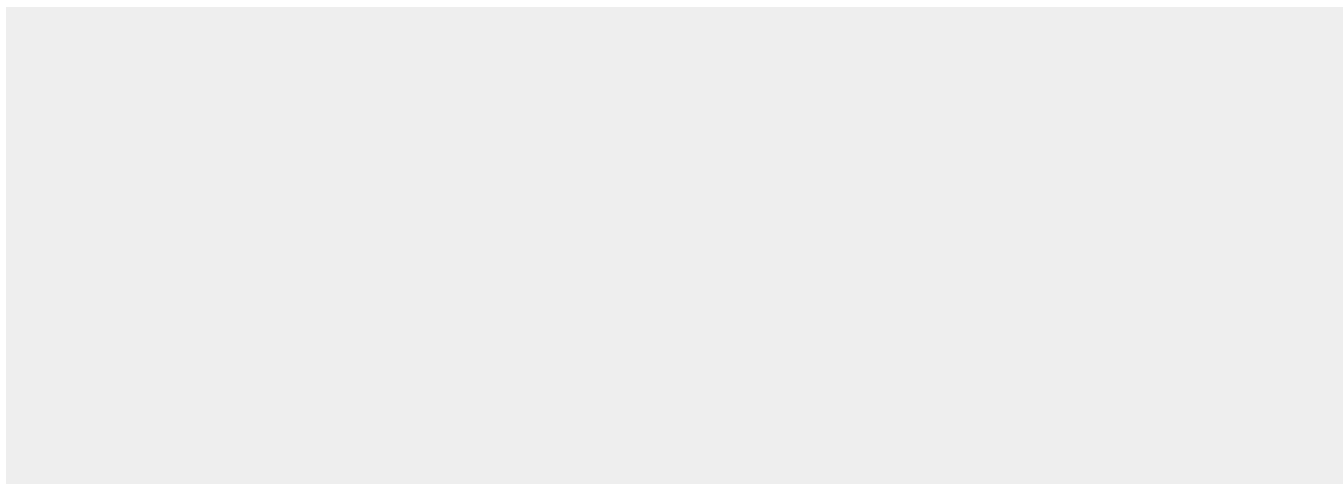
**Tissue Location**

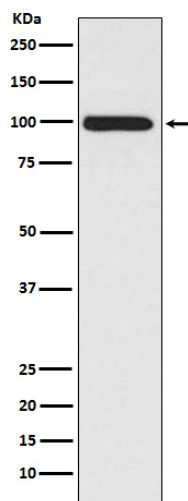
Most abundant in liver, brain and lung.

**LRP1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**LRP1 Antibody - Images**



Western blot analysis of LRP1 expression in A549 cell lysate.