

**LRP1 / CD91 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12225****Specification**

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**LRP1 / CD91 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">Q07954</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	505kDa KDa

**LRP1 / CD91 Antibody - Additional Information****Gene ID** 4035**Other Names**

Prolow-density lipoprotein receptor-related protein 1, LRP-1, Alpha-2-macroglobulin receptor, A2MR, Apolipoprotein E receptor, APOER, CD91, Low-density lipoprotein receptor-related protein 1 85 kDa subunit, LRP-85, Low-density lipoprotein receptor-related protein 1 515 kDa subunit, LRP-515, Low-density lipoprotein receptor-related protein 1 intracellular domain, LRPICD, LRP1, A2MR, APR

**Target/Specificity**

Recognizes human CD91, a type I membrane protein which is also known as the alpha 2 macroglobulin receptor (alpha 2 MR). Recognizes an epitope in the extracellular region of the 500kD alpha chain.

**Reconstitution & Storage**

Long term: Add glycerol (40-50%) -20°C; Short term: +4°C

**Precautions**

LRP1 / CD91 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**LRP1 / CD91 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/26142438" target="\_blank">26142438</a>, PubMed:<a href="http://www.uniprot.org/citations/1702392" target="\_blank">1702392</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>).

#### **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**

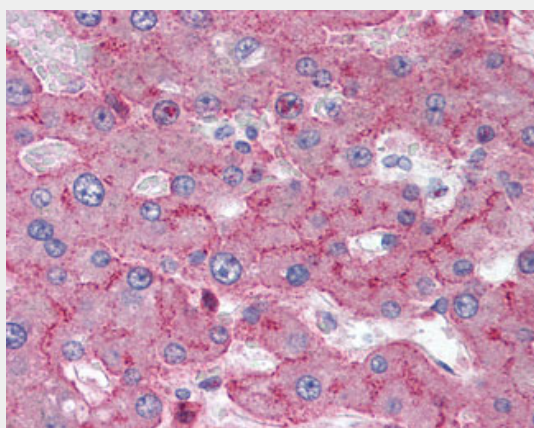
Most abundant in liver, brain and lung.

### **LRP1 / CD91 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 / CD91 Antibody - Images**



Anti-LRP1 / Low Density LRP antibody IHC of human liver.

### **LRP1 / CD91 Antibody - Background**

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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.

#### **LRP1 / CD91 Antibody - References**

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Kutt H.,et al.Biochim. Biophys. Acta 1009:229-236(1989).