



## **LRP**

Mouse Monoclonal Antibody (Mab)
Catalog # APA325

## **Specification**

### **LRP** - Product Information

Application IHC
Primary Accession Q07954
Host Mouse
Clonality Monoclonal
Calculated MW 504606 Da

#### **LRP** - Additional Information

Gene ID **4035** 

Gene Name LRP1 (HGNC:6692)

**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 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=6692" target="blank">HGNC:6692</a>), A2MR, APR

Storage Maintain refrigerated at 2-8°C for up to 2

weeks. For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles.

Precautions LRP is for research use only and not for

use in diagnostic or therapeutic

procedures.

## **LRP - Protein Information**

Name LRP1 (HGNC:6692)

Synonyms A2MR, APR

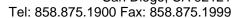
Function Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells (PubMed:11907044, PubMed:12713657).

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







Cellular Location

Tissue Location

receptor (PubMed: 26142438, PubMed: 1702392). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed:32296178). May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed: 12888553). [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. Most abundant in liver, brain and lung.

## **LRP - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **LRP** - Images