

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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6692), A2MR, APR

Dilution

IHC~~1:100~500

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
Function

A2MR, APR
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

Cellular Location

complexes between plasminogen activators and their endogenous inhibitors. Acts as an LRPAP1 alpha-2- macroglobulin 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.

Tissue Location**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 Cytometry](#)
- [Cell Culture](#)

LRP - Images