

CD91 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51681**Specification**

CD91 Antibody - Product Information

Application	WB, E
Primary Accession	Q07954
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85 KDa

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

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD91 Antibody - Protein Information**Name** LRP1 ([HGNC:6692](#))**Synonyms** A2MR, APR**Function**

Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells (PubMed: [11907044](http://www.uniprot.org/citations/11907044), PubMed: [12713657](http://www.uniprot.org/citations/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 receptor (PubMed: [1702392](http://www.uniprot.org/citations/1702392), PubMed: [26142438](http://www.uniprot.org/citations/26142438)). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed: [32296178](http://www.uniprot.org/citations/32296178)).

May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed:12888553). Acts also as a receptor for IGFBP3 to mediate cell growth inhibition (PubMed:9252371).

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.

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](#)

CD91 Antibody - Images**CD91 Antibody - Background**

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CD91 Antibody - References

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Van Leuven F.,et al.Genomics 24:78-89(1994).
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Scherer S.E.,et al.Nature 440:346-351(2006).
Kutt H.,et al.Biochim. Biophys. Acta 1009:229-236(1989).