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Anti-CD91 Antibody
Rabbit polyclonal antibody to CD91
Catalog # AP61116

Specification

Anti-CD91 Antibody - Product Information

Application	**WB, IH**
Primary Accession	Q07954
Other Accession	Q91ZX7
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**504606**

Anti-CD91 Antibody - Additional Information

Gene ID 4035

Other Names
A2MR; APR; Prolow-density lipoprotein receptor-related protein 1; LRP-1; Alpha-2-macroglobulin receptor; A2MR; Apolipoprotein E receptor; APOER; CD91

Target/Specificity
Recognizes endogenous levels of CD91 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100)
IH~~WB (1/500 - 1/1000), IH (1/50 - 1/100)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

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

Anti-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, 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 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).

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.

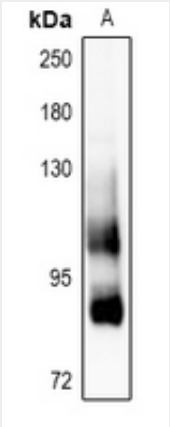
Tissue Location
Most abundant in liver, brain and lung.

Anti-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 Cytomety
- Cell Culture

Anti-CD91 Antibody - Images



Western blot analysis of CD91 expression in H1792 (A) whole cell lysates.

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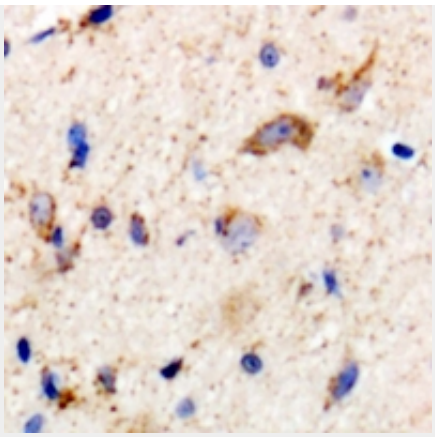

Immunohistochemical analysis of CD91 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CD91 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD91. The exact sequence is proprietary.