

CD91 Rabbit monoclonal antibody

Catalog: MB66268

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Low density lipoprotein receptor related protein 1 (LRP1) is a type I transmembrane receptor that mediates the endocytosis of various ligands. LRP1 plays important roles in lipid homeostasis, signaling transduction, embryonic development, and glucose metabolism. In addition, LRP1 regulates APP processing and facilitates the clearance of beta-amyloid. This finding makes LRP1 a potential therapeutic target for Alzheimer's disease. LRP1 preprotein is proteolytically processed by furin to generate a 515 kDa extracellular α subunit and a membrane-anchored 85 kDa β subunit, which together form the mature receptor.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 84 kDa

Swiss-Prot:

Q07954

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/ICC (1/50 - 1/100), IP (1/10 - 1/50)

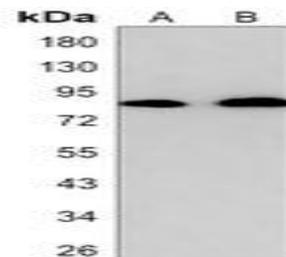
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

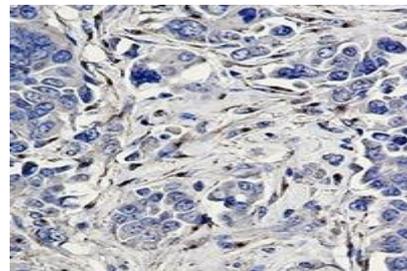
Specificity:

Recognizes endogenous levels of CD91 protein.

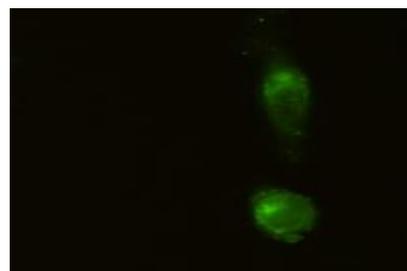
DATA:



Western blot analysis of CD91 expression in rat brain (A), C6 (B) whole cell lysates.



Immunohistochemical analysis of CD91 staining in human cholangiocarcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.39). 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.



Immunofluorescent analysis of CD91 staining in U87MG cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated sec-

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

secondary antibody (green) in PBS at room temperature in the dark.

For research use only, not for use in diagnostic procedure.

Note:

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