LRP1 Rabbit monoclonal antibody

Catalog: BS9805M Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

LRP1, also designated LRP and α-2-Macroglobulin receptor, is an endocytic receptor that mediates the uptake of at least 15 ligands, including α-2-Macroglobulin and apoE. LRP1 is cleaved into a membrane subunit and an extracellular subunit, which remain non-covalently associated. Proper folding and trafficking of LRP1 is facilitated by the receptor-associated protein (RAP), a molecular chaperone. The uptake of all known ligands through LRP1 can be blocked by RAP, which induces a conformational change in the receptor that renders it unable to bind ligands. LRP1, which is expressed in brain, liver and lung, is also implicated in Alzheimer's disease (AD), as the human LRP gene localizes to a potential AD locus on chromosome 12.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 85 kDa

Swiss-Prot:

Q07954

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:5000 IHC/ICC/IF: 1:50-1:200

IP: 1:50-1:200 FC: 1:10-1:100

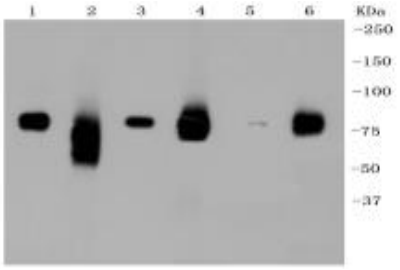
Storage&Stability:

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

Specificity:

This antibody detects endogenous levels of LRP1 and does not cross-react with related proteins.

DATA:



Western blot (WB) analysis of LRP1 Rabbit mAb at 1:1000 dilution

Lane1:The liver tissue lysate of Mouse

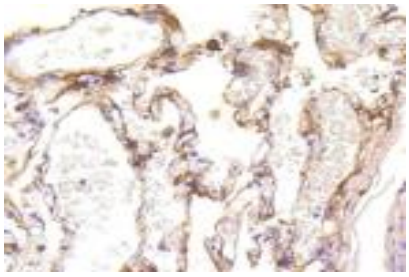
Lane2:The brain tissue lysate of Mouse

Lane3:The lung tissue lysate of Mouse

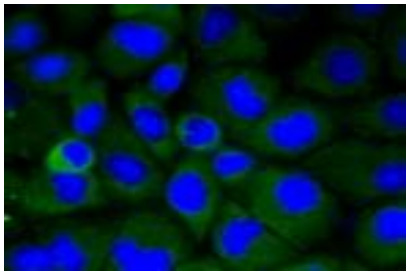
Lane4:The liver tissue lysate of Human

Lane5:HepG2 whole cell lysate

Lane6:The lung tissue lysate of Human



Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-LRP1 antibody. Counter stained with hematoxylin.



ICC staining LRP1 in HUVEC cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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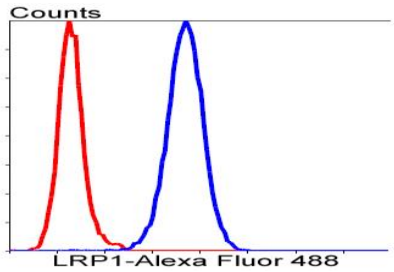

Flow cytometric analysis of Hela cells with LRP1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor® 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Note:

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

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