Product Datasheet

LRP1 Rabbit mAb

Catalog No: #48595

Package Size: #48595-1 50ul #48595-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	LRP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SA0290
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	A2MR antibody Alpha 2 macroglobulin receptor antibody alpha 2MR antibody Alpha-2-macroglobulin receptor antibody APOER antibody Apolipoprotein E receptor antibody APR antibody CD 91 antibody CD91 antibody CD91 antigen antibody IGFBP3R antibody LDL receptor related protein 1 antibody Low density lipoprotein receptor related protein 1 antibody Low density lipoprotein related protein 1 antibody Low-density lipoprotein receptor-related protein 1 intracellular domain antibody LRP 1 antibody LRP 515 antibody LRP 85 antibody LRP antibody LRP ICD antibody LRP-1 antibody LRP-515 antibody LRP-85 antibody Lrp1 antibody LRP1 protein antibody LRP1_HUMAN antibody LRP1A antibody LRP515 antibody LRP85 antibody LRPICD antibody MGC88725 antibody Prolow density lipoprotein receptor related protein 1 antibody TbetaR V/LRP 1/IGFBP 3 receptor antibody TbetaRV/LRP1/IGFBP3 receptor antibody TGFBR 5 antibody TGFBR5 antibody Type V tgf beta receptor antibody
Accession No.	Swiss-Prot#:Q07954
Uniprot	Q07954
GeneID	4035;
Calculated MW	85 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

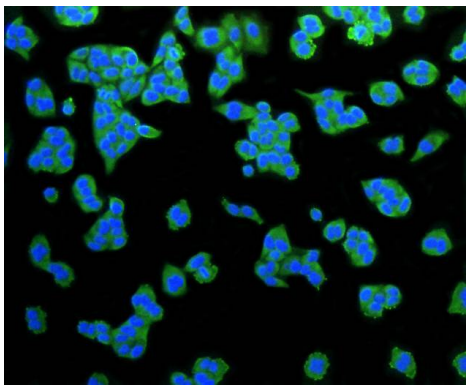
WB: 1:1,000-5,000

IHC: 1:50-1:200

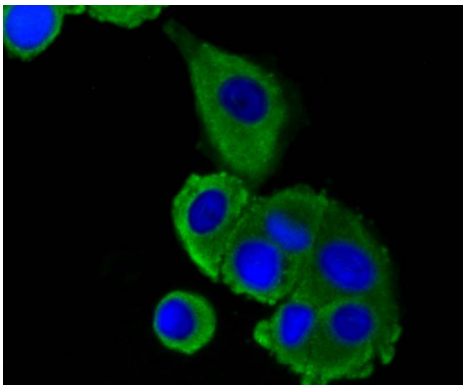
ICC: 1:50-1:200

FC: 1:10-1:100

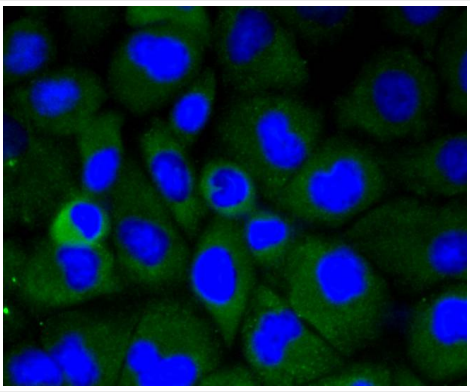
Images



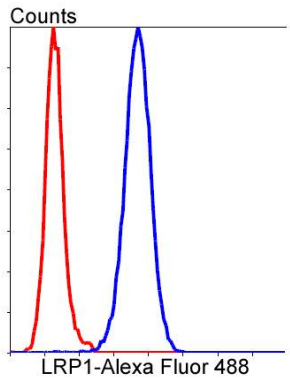
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-LRP1 antibody. Counter stained with hematoxylin.



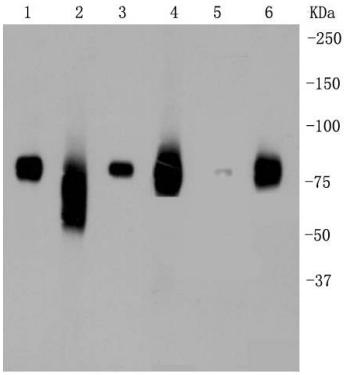
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-LRP1 antibody. Counter stained with hematoxylin..



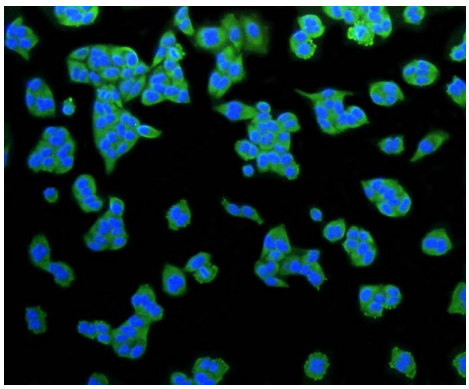
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-LRP1 antibody. Counter stained with hematoxylin.



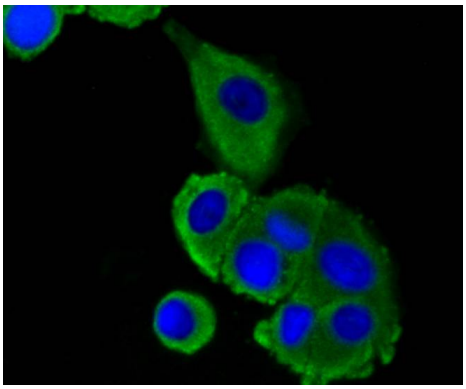
Flow cytometric analysis of Hela cells with LRP1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



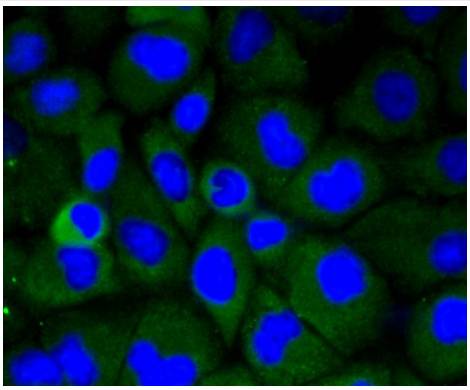
Western blot analysis of LRP1 on different lysates using anti-LRP1 antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse liver Lane 2: Mouse brain Lane Lane 3: Mouse lung Lane 4: Human liver Lane 5: HepG2 Lane 6: Human lung



ICC staining LRP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS..



ICC staining LRP1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining LRP1 in HUVEC cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Members of the LDL receptor gene family, including LDLR (low density lipoprotein receptor), LRP1 (low density lipoprotein related protein), Megalin (also designated GP330), VLDLR (very low density lipoprotein receptor) and ApoER2 are characterized by a cluster of cysteine-rich class A repeats, epidermal growth factor (EGF)-like repeats, YWTD repeats and an O-linked sugar domain. LRP1, also designated LRP and ?-2-Macroglobulin receptor, is an endocytic receptor that mediates the uptake of at least 15 ligands, including ?-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 Alzheimers disease (AD), as the human LRP gene localizes to a potential AD locus on chromosome 12.

References

Note: This product is for in vitro research use only