

LDL Receptor Rabbit mAb

Catalog No: #48760

Package Size: #48760-1 50ul #48760-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

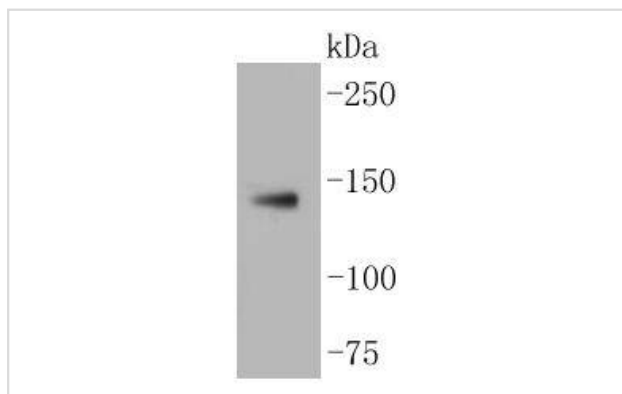
Description

Product Name	LDL Receptor Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SJ0197
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	FH antibody FHC antibody LDL R antibody LDL receptor antibody LDLR antibody Ldlr antibody LDLR_HUMAN antibody Low Density Lipoprotein Receptor antibody Low density lipoprotein receptor class A domain containing protein 3 antibody Low density lipoprotein receptor familial hypercholesterolemia antibody Low-density lipoprotein receptor antibody
Accession No.	Swiss-Prot#:P01130
Uniprot	P01130
GeneID	3949;
Calculated MW	140 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

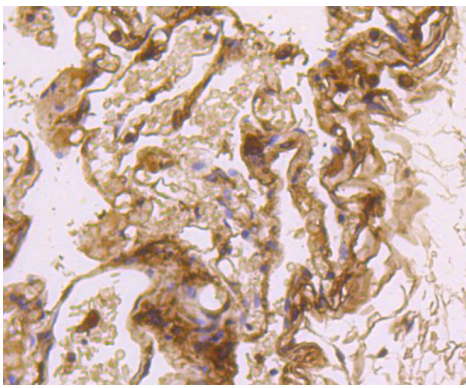
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

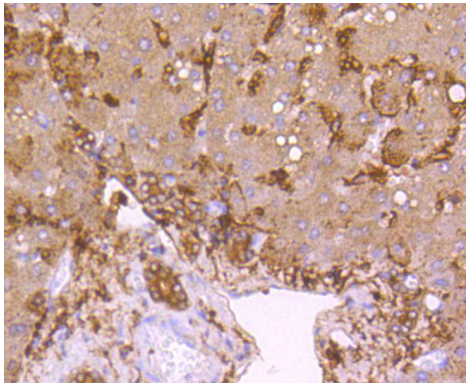
Images



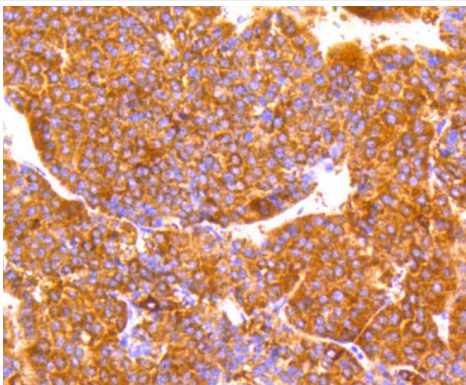
Western blot analysis of LDL Receptor on MCF-7 lysates using anti-LDL Receptor antibody at 1/1,000 dilution.



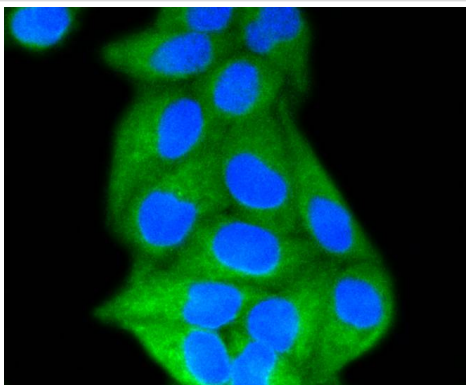
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-LDL Receptor antibody. Counter stained with hematoxylin.



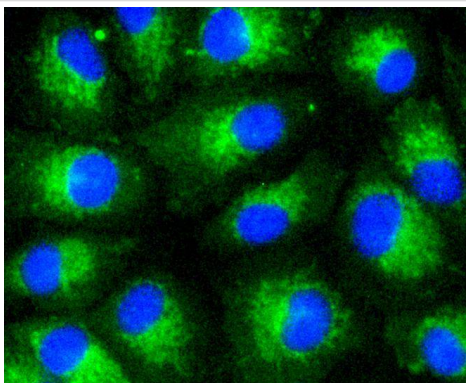
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-LDL Receptor antibody. Counter stained with hematoxylin.



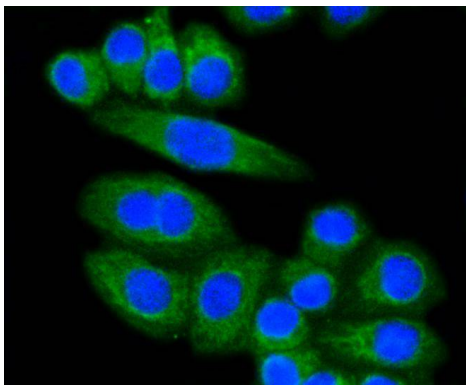
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-LDL Receptor antibody. Counter stained with hematoxylin.



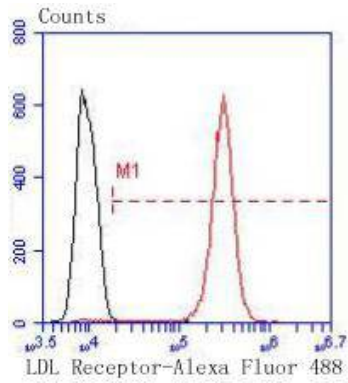
ICC staining LDL Receptor in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining LDL Receptor in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining LDL Receptor in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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

Background

LDLR (low density lipoprotein receptor) is a member of the LDL receptor gene family, which includes LDLR, LRP, Megalin, VLDLR, and ApoER2. The LDL receptor family is characterized by a cluster of cysteine-rich class A repeats, epidermal growth factor (EGF)-like repeats, YWTD repeats, and an O-linked sugar domain. The LDL receptor is a cell surface transmembrane protein that mediates the uptake of low density lipoprotein and its degradation in the lysosome, which provides cholesterol to cells. The cytoplasmic domain of the LDL receptor is necessary for the receptor to cluster in coated pits, which promotes the rapid endocytosis of bound LDL. Mutations in LDLR cause the autosomal dominant disease, familial hypercholesterolemia (FH), which promotes premature coronary atherosclerosis.

References

Note: This product is for in vitro research use only