LDLR Antibody

Catalog No: #46597

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

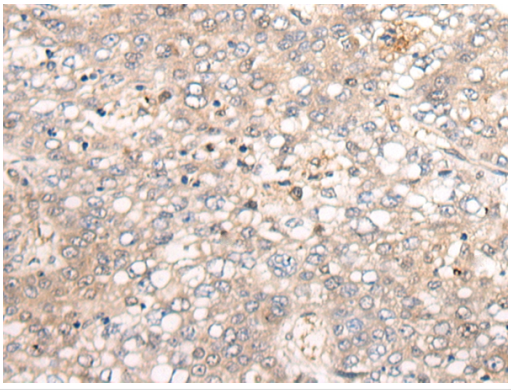
Description

Product Name	LDLR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total LDLR protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues of human LDLR
Target Name	LDLR
Other Names	FH; FHC; LDLCQ2
Accession No.	Swiss-Prot:P01130NCBI Gene ID:3949NCBI Protein:NP_000518
Uniprot	P01130
GeneID	3949;
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

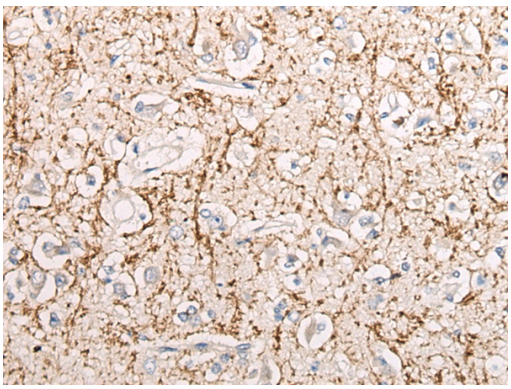
Application Details

Immunohistochemistry: 1: 25-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46597(LDLR Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 46597(LDLR Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.

Note: This product is for in vitro research use only