Product Datasheet

ApoER2 Antibody

Catalog No: #48551

Package Size: #48551-1 50ul #48551-2 100ul

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

Description

Product Name	ApoER2 Antibody
Purification	Protein affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein within human ApoER2 500-750 aa.
Other Names	APOER2 antibody Apolipoprotein E receptor 2 antibody low density lipoprotein receptor-related protein 8 antibody Low-density lipoprotein receptor-related protein 8 antibody LRP-8 antibody LRP8 antibody LRP8_HUMAN antibody
Accession No.	Swiss-Prot#:Q14114
Uniprot	Q14114
GeneID	7804;
Calculated MW	77 kDa
Concentration	1 mg/ml
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

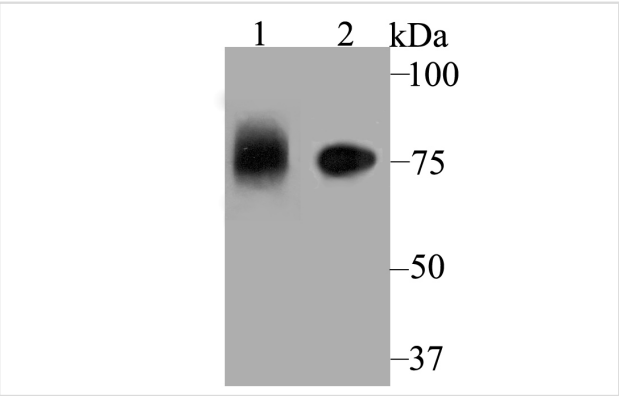
WB: 1:500-1:1,000

IHC: 1:50

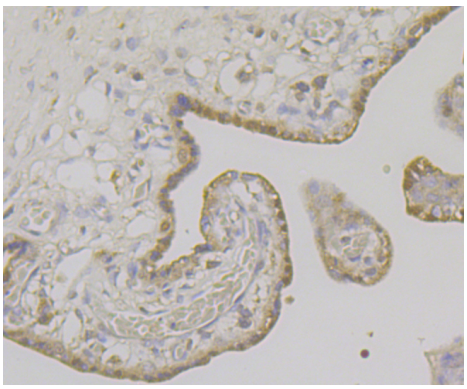
ICC: 1:50-1:200

FC: 1:50-1:100

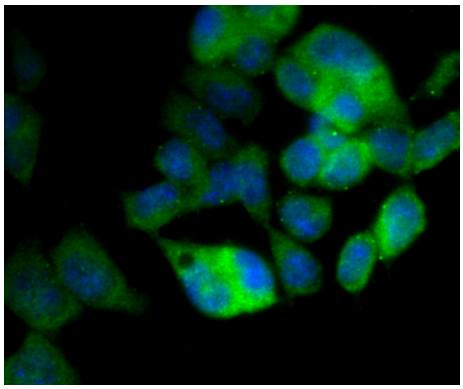
Images



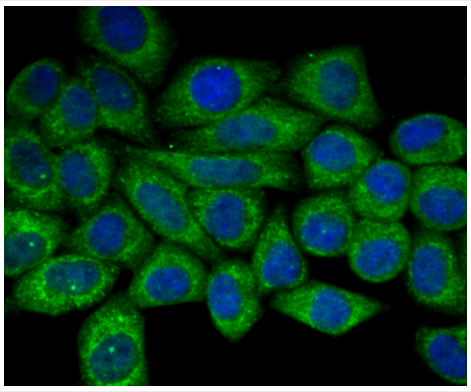
Western blot analysis of ApoER2 on different lysates using anti-ApoER2 antibody at 1/1,000 dilution. Positive controlοΩ½οΩ½ Lane1: Mouse placenta Lane2: SH-SY-5Y



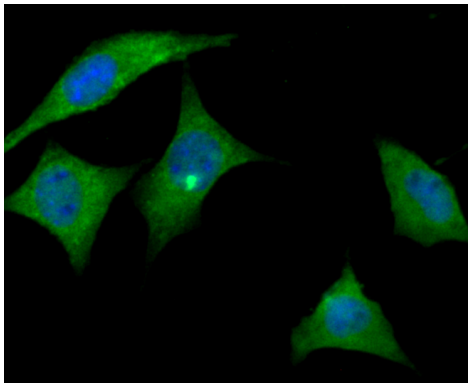
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-ApoER2 antibody. Counter stained with hematoxylin.



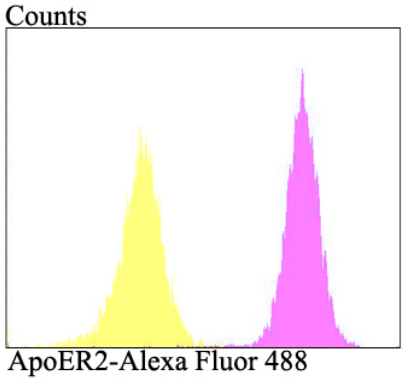
ICC staining ApoER2 in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ApoER2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ApoER2 in SH-SY-5Y 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 SH-SY-5Y cells with ApoER2 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

ApoER2 (apolipoprotein E receptor 2), also designated LRP8, is a member of the LDL receptor gene family, which includes LDL receptor, 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. ApoER2 is expressed in brain and placenta and has several splice variants. ApoER2 is thought to mediate the interaction of extracellular Reelin and cytosolic mDab1 (mammalian disabled protein), which activates a tyrosine kinase. This pathway regulates the migration of neurons along the radial glial fiber network during brain development.

Note: This product is for in vitro research use only