NARC1 Antibody FITC Conjugated

Catalog No: #C06185F

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Description

Product Name	NARC1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 235-285 692 derived from human PCSK9 NARC1
Conjugates	FITC
Target Name	NARC1
Other Names	FH3; PC9; NARC1; LDLCQ1; NARC-1; HCHOLA3; Proprotein convertase subtilisin kexin type 9; Neural apoptosis-regulated convertase 1; Proprotein convertase 9; Subtilisin kexin-like protease PC9; PCSK9; PSEC0052
Accession No.	Swiss-Prot#Q8NBP7NCBI Gene ID255738
Uniprot	Q8NBP7
GeneID	255738;
Excitation Emission	494nm 518nm
Cell Localization	Cytoplasm, Secreted, Lysosome
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Crucial player in the regulation of plasma cholesterol homeostasis. Binds to low-density lipid receptor family members: low density lipoprotein receptor (LDLR), very low density lipoprotein receptor (VLDLR), apolipoprotein E receptor (LRP1 APOER) and apolipoprotein receptor 2 (LRP8 APOER2), and promotes their degradation in intracellular acidic compartments (PubMed:18039658). Acts via a non-proteolytic mechanism to enhance the degradation of the hepatic LDLR through a clathrin LDLRAP1 ARH-mediated pathway. May prevent the recycling of LDLR from endosomes to the cell surface or direct it to lysosomes for degradation. Can induce ubiquitination of LDLR leading to its subsequent degradation (PubMed:18799458, PubMed:17461796, PubMed:18197702, PubMed:22074827). Inhibits intracellular degradation of APOB via the autophagosome lysosome pathway in a LDLR-independent manner. Involved in the disposal of non-acetylated intermediates of BACE1 in the early secretory pathway (PubMed:18660751). Inhibits epithelial Na(+) channel (ENaC)-mediated Na(+) absorption by reducing ENaC surface expression primarily by increasing its proteasomal degradation. Regulates neuronal apoptosis via modulation of LRP8 APOER2 levels and related anti-apoptotic signaling pathways.

Note: This product is for in vitro research use only