NCEH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NCEH1, Polyclonal Antibody
Full Product Name	NCEH1 Rabbit pAb
Product Gene Name	anti-NCEH1 antibody
Product Synonym Gene Name	NCEH; AADACL1
Product Synonym Names	Neutral cholesterol ester hydrolase 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C.
Molecular Weight	46kDa
OMIM	613234
3D Structure	ModBase 3D Structure for Q6PIU2
Immunogen	Fusion protein of human NCEH1
Cellular Localization	Endoplasmic Reticulum, Membrane, Microsome
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NCEH1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NCEH1 antibody	WB: 1000-5000 IHC: 100-300
Related Product Information for anti-NCEH1 antibody	MBS8537685 is an antibody targeting NCEH1. Also known as NCEH1 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NCEH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NCEH1. It may not necessarily be applicable to this product.

NCBI GI #	226423947
NCBI GeneID	57552
NCBI Accession #	NP_001139748.1
UniProt Primary Accession #	Q6PIU2

UniProt Related Accession #	Q6PIU2
GenBank Nucleotide #	NP_001139748.1
NCBI Official Full Name	neutral cholesterol ester hydrolase 1 isoform a
NCBI Official Synonym Full Names	neutral cholesterol ester hydrolase 1
NCBI Official Symbol	NCEH1
NCBI Official Synonym Symbols	NCEH; AADACL1
UniProt Protein Name	Neutral cholesterol ester hydrolase 1
UniProt Synonym Protein Names	Arylacetamide deacetylase-like 1
Protein Family	Neutral cholesterol ester hydrolase
UniProt Gene Name	NCEH1
UniProt Synonym Gene Names	AADACL1; KIAA1363; NCEH
UniProt Entry Name	NCEH1_HUMAN
NCBI Protein Information	neutral cholesterol ester hydrolase 1
UniProt Comments for NCEH1	AADACL1: a single-pass type II membrane microsomal protein. Hydrolyzes 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor (acetyl-glyceryl-ether-phosphorylcholine). Elevated in invasive cancer cells from several different tumor types. May be involved in the elevated neutral ether lipid content and elevated LPA signaling in cancer cells. May be responsible for cholesterol ester hydrolysis in macrophages, thereby contributing to the development of atherosclerosis. Also involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds. May contribute to cancer pathogenesis by promoting tumor cell migration. A key enzymatic node regulating an ether lipid signaling network in cancer; regulates MAGE and lysophospholipid levels in invasive cancer cells. Three alternatively spliced human isoforms have been described. Protein type: Hydrolase; EC 3.1.1.-; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q26.31 Cellular Component: membrane; endoplasmic reticulum; integral to membrane Biological Process: lipid catabolic process
Research Articles on NCEH1	**1.** Authors discovered that the presence of cholesterol, LDLR-mediated cholesterol endocytosis, and cholesterol efflux are all essential to NCEH-1-mediated neuroprotection. In protecting from alpha-synuclein neurotoxicity, NCEH-1 also stimulates cholesterol-derived neurosteroid formation and lowers cellular reactive oxygen species in mitochondria.
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