Datasheet for ABIN390169

anti-Presenilin 1 antibody (C-Term)

4 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	Presenilin 1 (PSEN1)
Binding Specificity:	AA 330-359, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Presenilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This Presenilin 1 (PSEN1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 330-359 amino acids from the C-terminal region of human Presenilin 1 (PSEN1).
Clone:	RB2257
Isotype:	Ig Fraction
Predicted Reactivity:	Pr, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Presenilin 1 (PSEN1)
Abstract:	PSEN1 Products
Background:	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1, PSEN2) or the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes.
Molecular Weight:	52668
Gene ID:	5663
NCBI Accession:	NP_000012, NP_015557
UniProt:	P49768
Pathways:	Notch Signaling, EGFR Signaling Pathway, Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

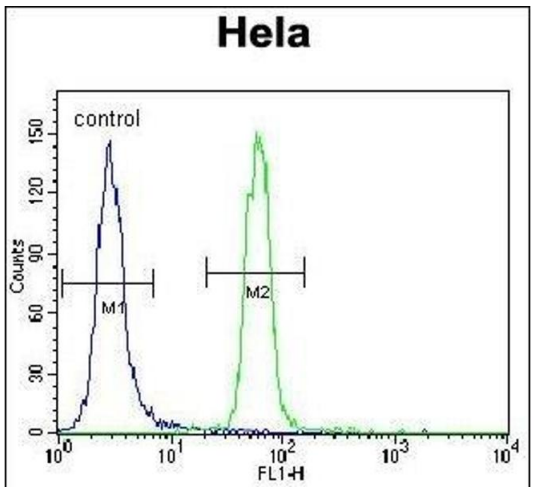
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:

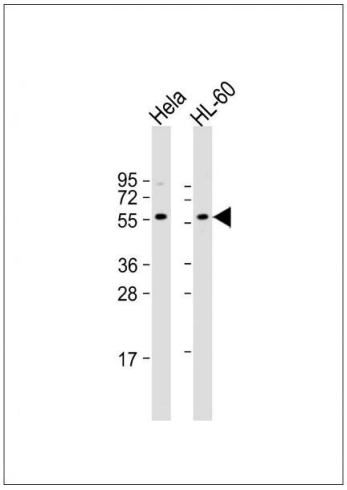
Bannon, Johnson, Michelhaugh, Hartley, Halter, David, Kapatos, Schmidt: "A molecular profile of cocaine abuse includes the differential expression of genes that regulate transcription, chromatin, and dopamine cell phenotype." in: **Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology**, Vol. 39, Issue 9, pp. 2191-9, (2014) (PubMed).

Images



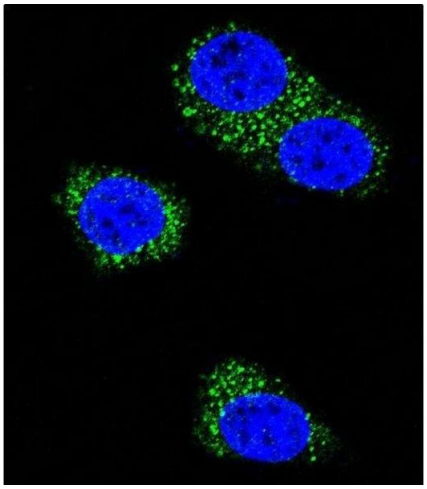
Flow Cytometry

Image 1. Presenilin 1 (PSEN1) Antibody (C-term) (ABIN390169 and ABIN2840665) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. All lanes : Anti-PSEN1 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of Presenilin 1 (PSEN1) Antibody (C-term) (ABIN390169 and ABIN2840665) with MDA-M cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN390169.