Datasheet for ABIN7602796

anti-Presenilin 2 antibody (C-Term)

Go to Product page

Overview

Quantity:	100 µg
Target:	Presenilin 2 (PSEN2)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Presenilin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Presenilin 2/AD5/PSEN2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Presenilin 2/AD5/PSEN2, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Presenilin 2/AD5/PSEN2 Antibody Picoband® (ABIN7602796). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	Presenilin 2 (PSEN2)
Alternative Name:	PSEN2 (PSEN2 Products)
Background:	Synonyms: Fibrinogen gamma chain,FGG,PRO2061, Tissue Specificity: Detected in blood plasma (at protein level). . Background: Presenilin-2 is a protein that in humans is encoded by the PSEN2 gene. Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or 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 ly regulate gamma-secretase activity, or themselves act are protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.
Molecular Weight:	34 kDa, 50 kDa
Gene ID:	5664
UniProt:	P49810
Pathways:	Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human, Mouse, Rat 1. Muller, U., Winter, P., Graeber, M. B. Alois Alzheimer's case, Auguste D., did not carry the N141I mutation in PSEN2 characteristic of Alzheimer disease in Volga Germans. (Letter) Arch. Neurol. 68: 1210-1211, 2011. 2. Piscopo, P., Marcon, G., Piras, M. R., Crestini, A., Campeggi, L. M., Deiana, E., Cherchi, R., Tanda, F., Deplano, A., Vanacore, N., Tagliavini, F., Pocchiari, M., Giaccone, G., Confaloni, A. A novel PSEN2 mutation associated with a peculiar phenotype. Neurology 70: 1549-1554, 2008. 3. Yu, C.-E., Marchani, E., Nikisch, G., Muller, U., Nolte, D., Hertel,

Application Details

	A., Wijsman, E. M., Bird, T. D. The N141I mutation in PSEN2: implications for the quintessential case of Alzheimer disease. Arch. Neurol. 67: 631-633, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.