

Rabbit anti-human PSEN1 Polyclonal Antibody

Catalog Number: R16002P

General Information

Immunogen	A synthetic peptide of human PSEN1
IgG type	IgG
Clonality	Polyclonal
Specificity	human PSEN1
Applications & dilution	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at 4°C. Avoid freeze / thaw cycles.

Abbreviation:

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry

Background

Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or in 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. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined.

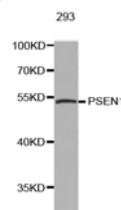
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Preparation

Polyclonal antibody is produced by immunizing rabbit with a synthetic peptide of human PSEN1 and purified using protein A resin.

Applications

Western blot



Western blot analysis of extracts of 293 cell line, using PSEN1 antibody.

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.