

PSEN1

Reactivity: Human Mouse

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 53kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PSEN1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

it

Synonym:

AD3; FAD; PS1; PS-1; S182;

Catalog #: A0050

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5663

Isotype: IgG

Swiss Prot: P49768

Purity: Affinity purification

For research use only.

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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