

PSEN2

Reactivity: Human Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 50kDa

Observed MW: Refer to figures

Immunogen:

A synthetic peptide of human PSEN2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

AD4; PS2; AD3L; STM2; CMD1V;

Catalog #: A7719

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5664

Isotype: IgG

Swiss Prot: P49810

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 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 directly regulate gamma-secretase activity, or themselves act as protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.

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