

Presenilin 1(Phospho Ser357) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13299
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human PSEN1 around the phosphorylation site of Ser357. AA range:323-372
Mol wt	52668
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Presenilin-1
Synonyms	Presenilin-1; PSEN1; AD3; PS1; PSNL1; Presenilin-1; PS-1; Protein S182

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

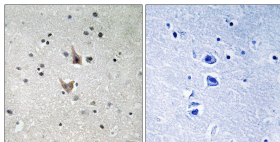
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

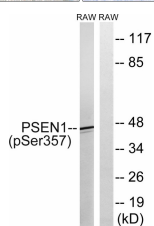
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain, using PSEN1 (Phospho-Ser357) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from RAW264.7 cells treated with UV 5', using PSEN1 (Phospho-Ser357) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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