Product Datasheet

Presenilin 1 (phospho Ser357) Polyclonal Antibody

Catalog No: #13599

Package Size: #13599-1 50ul #13599-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Presenilin 1 (phospho Ser357) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Presenilin 1 (S357) Polyclonal Antibody detects endogenous levels of Presenilin 1 protein only when phosphorylated at S357.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human PSEN1 around the phosphorylation site of Ser357. AA range:323-372
Other Names	PSEN1; AD3; PS1; PSNL1; Presenilin-1; PS-1; Protein S182
Accession No.	Swiss Prot:P49768GeneID:5663
Uniprot	P49768
GeneID	5663
SDS-PAGE MW	43
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Background

presenilin 1(PSEN1) Homo sapiens 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. [provided by RefSeq, Aug 2008],

Note: This product is for in vitro research use only