

Presenilin 1 (phospho Ser357) rabbit pAb**Cat#: orb769721 (Manual)**

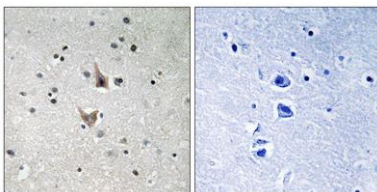
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Product Name	Presenilin 1 (phospho Ser357) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PSEN1 around the phosphorylation site of Ser357. AA range:323-372
Specificity	Phospho-Presenilin 1 (S357) Polyclonal Antibody detects endogenous levels of Presenilin 1 protein only when phosphorylated at S357.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Presenilin-1
Gene Name	PSEN1
Cellular localization	Endoplasmic reticulum . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cytoplasmic granule . Cell membrane ; Multi-pass membrane protein . Cell projection, growth cone . Early endoso
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

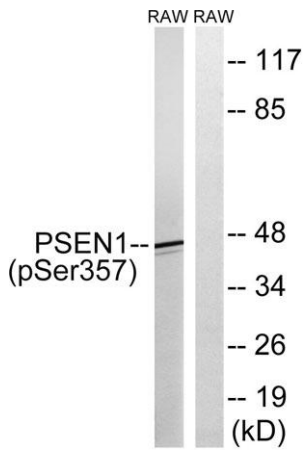
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	43kD
Human Gene ID	5663
Human Swiss-Prot Number	P49768
Alternative Names	PSEN1; AD3; PS1; PSNL1; Presenilin-1; PS-1; Protein S182

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. [provided by RefSeq, Aug 2008],



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.