9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

PSEN1 polyclonal antibody

Catalog Number: PAB12993

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of PSEN1.

Immunogen: A synthetic peptide corresponding to C-terminus 23 amino acids of human PSEN1.

Host: Rabbit

Reactivity: Human,Mouse,Rat

Applications: IHC-P, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody has no cross-reactivity to presenilin2.

Form: Liquid

Recommend Usage: Western Blot (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at 4°C for three months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5663

Gene Symbol: PSEN1

Gene Alias: AD3, FAD, PS1, S182

Gene Summary: 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]

References:

1. Functional reconstitution of gamma-secretase through coordinated expression of presenilin, nicastrin, Aph-1, and Pen-2. Periz G, Fortini ME. J Neurosci Res. 2004 Aug 1;77(3):309-22.
2. The cell biology of beta-amyloid precursor protein and presenilin in Alzheimer's disease. Selkoe DJ. Trends Cell Biol. 1998 Nov;8(11):447-53.
3. Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease. Sherrington R, Rogaev EI, Liang Y, Rogaeva EA, Levesque G, Ikeda M, Chi H, Lin C, Li G, Holman K, et al.. Nature. 1995 Jun 29;375(6534):754-60.