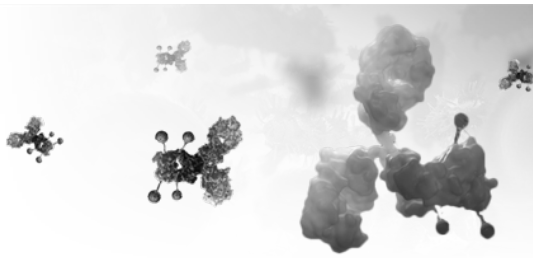

Anti-PSEN1 (aa 280-379) polyclonal antibody (DPAB-DC2523)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Alzheimers 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.
Immunogen	PSEN1 (AAH11729, 280 a.a. ~ 379 a.a) partial recombinant protein with GST tag. The sequence is PALIYSSTMVWLVNMAEGDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEEWEAQRDSHLGPHRSTPESRAAVQELSSSILAGEDPEERGVKLGL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	PSEN1 presenilin 1 [Homo sapiens (human)]
Official Symbol	PSEN1
Synonyms	PSEN1; presenilin 1; AD3; FAD; PS1; PS-1; S182; presenilin-1;
Entrez Gene ID	5663
Protein Refseq	NP_000012
UniProt ID	A0A024R6A3
Chromosome Location	14q24.3
Pathway	Alzheimers disease; Alzheimers Disease; Delta-Notch Signaling Pathway; Neurotrophin signaling pathway
Function	PDZ domain binding; aspartic-type endopeptidase activity; beta-catenin binding; cadherin binding

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