



## Anti-PSEN2 (aa 1-86) polyclonal antibody (DPAB-DC2524)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Alzheimers disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or PSEN2) or 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 act are protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.
<b>Immunogen</b>	PSEN2 (NP_000438, 1 a.a. ~ 86 a.a) partial recombinant protein with GST tag. The sequence is  MLTFMASDSEEEVCDERTSLMSAESPTPRSCQEGRQGPEDGENTAQWRSQENEEDGEEDP DRYVCSGVPGRPPGLEELTLKYGAK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">PSEN2 presenilin 2 [ Homo sapiens (human) ]</a>
Official Symbol	PSEN2
Synonyms	PSEN2; presenilin 2; AD4; PS2; AD3L; STM2; CMD1V; presenilin-2; AD5; E5-1; PS-2; AD3LP; STM-2; Alzheimer disease 4;
Entrez Gene ID	<a href="#">5664</a>
Protein Refseq	<a href="#">NP_000438</a>
UniProt ID	<a href="#">P49810</a>
Chromosome Location	1q42.13
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus; Alzheimers disease; Cell death signalling via NRAGE, NRIF and NADE; Constitutive Signaling by NOTCH1 PEST Domain Mutants
Function	aspartic-type endopeptidase activity; endopeptidase activity; protein binding;