

## Product datasheet for **TA336445**

### Presenilin 2 (PSEN2) Mouse Monoclonal Antibody [Clone ID: 198C679.2.]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	198C679.2.
Applications:	WB
Recommended Dilution:	WB: 1:250-1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	This antibody was generated by immunizing mice with a synthetic peptide of human Presenilin-2 (PS-2).
Formulation:	Preservative: 0.1% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	presenilin 2
Database Link:	<a href="#">NP_036618</a> <a href="#">Entrez Gene 5664 Human</a> <a href="#">P49810</a>



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<b>Background:</b>	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; 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 are protease enzymes. Two alternative transcripts of PSEN2 have been identified.
<b>Synonyms:</b>	AD3L; AD4; CMD1V; PS2; STM2
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Protein Pathways:</b>	Alzheimer's disease, Notch signaling pathway