

## Product datasheet for **TA363683**

### **Psen2 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of mouse PSEN2
Specificity:	<b>Expected reactivity:</b> Mouse
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50 kDa
Gene Name:	presenilin 2
Database Link:	<a href="#">NP_001122077.1</a> <a href="#">Entrez Gene 19165 Mouse</a> <a href="#">Q61144</a>



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**Background:**

This gene encodes a member of the presenilin family. Presenilins are catalytic components of the multi-subunit gamma-secretase complex, which mediates critical cellular processes through cleavage of type I transmembrane proteins including Notch receptors and the amyloid precursor protein. The encoded protein contains eight transmembrane domains and is localized to the endoplasmic reticulum, where it may play a role in calcium homeostasis. Following assembly of the gamma-secretase complex, the encoded protein is cleaved into N- and C-terminal fragments and the activated complex is released from the endoplasmic reticulum. Inactivation of this gene results in impaired synaptic function in a mouse model for Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene.

**Synonyms:**

AD3L; AD3LP; AD4; AD5; E5-1; PS-2; PS2; PSNL2; STM-2; STM2

**Product images:**