

## Datasheet: AHP667

<b>Description:</b>	RABBIT ANTI HUMAN PRESENILIN-1 (LOOP)
<b>Specificity:</b>	PRESENILIN-1 (LOOP)
<b>Other names:</b>	PSEN1
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

**RRID** AB\_323732

**Applications** This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Species Cross Reactivity** Reacts with: Monkey  
**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form** Serum - liquid

**Antiserum Preparation** Antisera to presenilin-1 were raised by repeated immunisations of rabbits with highly purified antigen.

**Preservative Stabilisers** 0.02% Sodium Azide

**External Database Links**

**UniProt:**  
[P49768](#) [Related reagents](#)

**Entrez Gene:**  
[5663](#) PSEN1 [Related reagents](#)

<b>Synonyms</b>	AD3, PS1, PSNL1
<b>Specificity</b>	<p><b>Rabbit anti Human presenilin antibody</b> recognizes presenilin-1 (PSEN1), an integral membrane protein that is widely expressed, especially in brain tissue.</p> <p>PSEN1 is an essential component of the gamma-secretase complex, along with APH-1 (APH-1A or APH-1B), PSEN2, Pen-2 (PEN2), and nicastrin (NCSTN). This endoprotease complex plays a vital role in the evolutionarily conserved Notch signaling pathway, by catalyzing the intramembrane S3 cleavage of ligand-activated Notch receptor proteins (Notch1-4), resulting in the generation and release of an activated NICD fragment, which then translocates to the nucleus and activates the transcription of downstream effector genes.</p> <p>Mutations of presenilin-1 are associated with early onset Alzheimer's disease.</p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10081 available at: 10081: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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