# Datasheet: AHP667

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

## Product Details

**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.

| | 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

**Synonyms**

AD3, PS1, PSNL1

| | |
|---|---|
| **Specificity** | **Rabbit anti Human presenilin antibody** recognizes presenilin-1 (PSEN1), an integral membrane protein that is widely expressed, especially in brain tissue.<br><br>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.<br><br>Mutations of presenilin-1 are associated with early onset Alzheimer's disease. |
| **Storage** | Store at +4$^{o}$C or at -20$^{o}$C if preferred.<br><br>This product should be stored undiluted.<br><br>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. |
| **Shelf Life** | 18 months from date of despatch. |
| **Health And Safety Information** | Material Safety Datasheet documentation available at:<br>Material Safety Datasheet Documentation #10081 available at:<br>https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf |
| **Regulatory** | For research purposes only |

# Related Products

## Recommended Secondary Antibodies

| | |
|---|---|
| Sheep Anti Rabbit IgG (2AB02...) | Biotin |
| Sheep Anti Rabbit IgG (STAR34...) | FITC |
| Sheep Anti Rabbit IgG (STAR35...) | RPE |
| Goat Anti Rabbit IgG (H/L) (STAR124...) | HRP |
| Sheep Anti Rabbit IgG (STAR54...) | HRP |
| Goat Anti Rabbit IgG (Fc) (STAR121...) | Biotin, FITC, HRP |
| Sheep Anti Rabbit IgG (STAR36...) | DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800 |

## Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)


**North & South America** Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

**Worldwide** Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

**Europe** Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com


'M310016:170914'

**Printed on 14 Sep 2017**


© 2017 Bio-Rad Laboratories Inc | Legal | Imprint