

## Rabbit PSEN2 Polyclonal Antibody | anti-PSEN2 antibody

PSEN2 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                                        | APPLICATIONS                       |
|-----------|--------|-------------------------------------------------------------------|------------------------------------|
| AAA199418 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish | Immunohistochemistry, Western Blot |

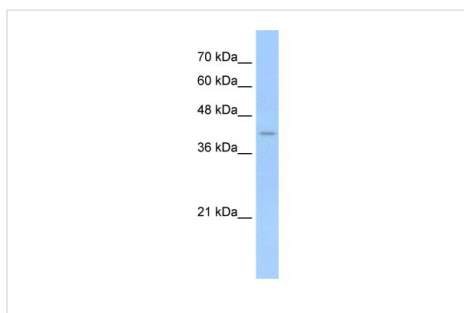
### PRODUCT SYNONYMS

PSEN2; Polyclonal Antibody; PSEN2 antibody - N-terminal region; anti-PSEN2 antibody

### PRODUCT SPECIFICATIONS

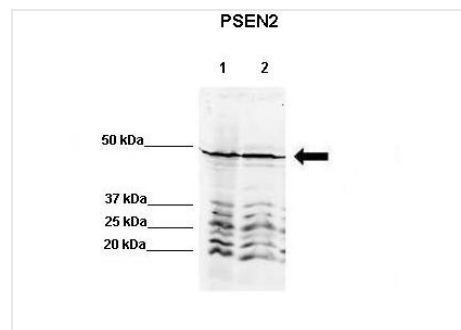
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following sequence: VV VTIKSVRFY TEKNGLIYT PFTEDTPSVG QRLNLSVLT LIMISVIV                                                   |
| Sequence Length                                 | 448                                                                                                                                                   |
| Applicable Applications for anti-PSEN2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                        | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%                                |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the N terminal region of human PSEN2                                                            |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



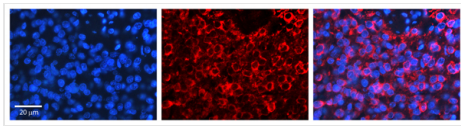
#### WB (Western Blot)

WB Suggested Anti-PSEN2 Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate



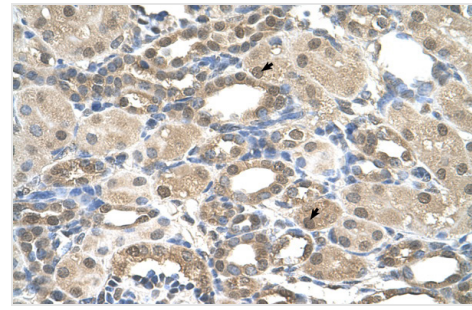
#### WB (Western Blot)

WB Suggested Anti-PSEN2 Antibody Positive Control: Lane 1: 80ug rat brain extract Lane 2: 80ug mouse brain extract Primary Antibody Dilution : 1:500 Secondary Antibody : IRDye 800 CW goat anti-rabbit from Li-COR Bioscience Secondary Antibody Dilution : 1:20,000 Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science



#### IHC (Immunohistochemistry)

PSEN2 antibody - N-terminal region  
Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue  
Observed Staining: Cytoplasm in Human Pineal Tissue  
Primary Antibody Concentration: 1:100  
Other Working Concentrations: 1/600  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)  
Human kidney

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PSEN2 antibody</b> | <p>This is a rabbit polyclonal antibody against PSEN2. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: Alzheimer's 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 as protease enzymes. 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.</p> |
| <b>Product Categories/Family for anti-PSEN2 antibody</b>   | <p>Polyclonal; RNA Binding Proteins; Cell Cycle Proteins; Lymphocyte Signaling; Membrane Protein; Transcription Regulation; Drugs and Drug Metabolism; Disease Related; Immunohistochemistry; Hypoxia; Phosphorylation; Transcription Factors; Cell Differentiation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | <a href="#">156105679</a>   |
| NCBI GeneID                      | <a href="#">5664</a>        |
| NCBI Accession #                 | <a href="#">NP_000438</a>   |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000447</a>   |
| UniProt Accession #              | <a href="#">P49810</a>      |
| Molecular Weight                 | 49kDa                       |
| NCBI Official Full Name          | presenilin-2 isoform 1      |
| NCBI Official Synonym Full Names | presenilin 2                |
| NCBI Official Symbol             | PSEN2                       |
| NCBI Official Synonym Symbols    | AD4; PS2; AD3L; STM2; CMD1V |
| NCBI Protein Information         | presenilin-2                |
| UniProt Protein Name             | Presenilin-2                |
| UniProt Gene Name                | <b>PSEN2</b>                |
| UniProt Synonym Gene Names       | AD4; PS2; PSNL2; STM2; PS-2 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psen2-antibody-immunohistochemistry-western-blot-elisa/199418>