Rabbit polyclonal antibody to Presenilin 1 loop region: IgG

Catalogue No.: R-1680-500
Description: Presenilin-1 (PSEN1) is a multi-pass membrane protein and component of the gamma-secretase complex. PSEN1 is thought to play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. It may also play a role in hematopoiesis. Defects in PSEN1 are a cause of Alzheimer disease type 3 (AD3), a familial early-onset form of Alzheimer disease (Ref:SWISS-Prot).
Batch No.: See product label
Unit size: 500 ug
Antigen: A synthetic peptide (GDPEAQRRVSKNSKYNA-C) corresponding to human PS1 [301-317] in the loop region conjugated via additional C-terminal Cys to Diphtheria toxoid.
Antibody Type: Polyclonal
Other Names: Presenilin 1; PS-1; Protein S182; PS1-CTF12; PSEN1; AD3; PS1; PSNL1
Produced in: Rabbit
Applications: Western Blot. Suggested dilution of 1:1,000 is recommended for WB. Full length presenilin 1 (467 aa) has relative MW of about 45 kDa, with this antibody most commonly detected as cleaved CTF of 19 kDa. Human or mouse brain samples commonly prepared with reducing agent (50mM DTT), urea (2.3 M), SDS (1.5%) in 62.5 mM Tris-HCL pH 6.8 sample buffer (without boiling) heating to 50 C for 15 min. Biosensis recommends that the optimal working dilution should be determined by the end user.
Specificity: Confirmed by Western blotting using transfected cells, presenilin 1 knock-out mouse cells and mouse and human brain.
Species Against: Human; mouse; rat; guinea pig. Presenilin proteins are highly conserved, so cross-reactivity with other species is expected.
Form: Lyophilized from PBS, pH 7.4. Contains no preservative.
Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Storage: Short term storage at 2-8°C for one week. At -20°C as an undiluted liquid for up to 12 months.
Expiry Date: 12 months after purchase
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Western Immunoblotting of mouse and human Presenilin 1 protein in mouse cell line extracts, various mouse tissues and a human cell line. Membrane proteins were prepared and loaded as 20 µg protein per lane. Crude anti-PS1 loop antibody used at 1:1000.