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Datasheet for ABIN6991478 **anti-GSAP antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	GSAP (PION)
Binding Specificity:	AA 770-820, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSAP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	PION antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human PION. The immunogen is located within amino acids 770 - 820 of PION.
Isotype:	IgG
Specificity:	Multiple isoforms of PION are known to exist. PION antibody is predicted to not cross-react with other F-box protein family members.
Purification:	PION Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GSAP (PION)
Alternative Name:	PION (PION Products)

Target Details

Background: PION Antibody: Accumulation of the amyloid-beta peptide (Abeta) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The beta-amyloid protein precursor (APP) is cleaved by one of two beta-secretases (BACE and BACE2), producing a soluble derivative of the protein and a membrane anchored 99 -amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for gamma-secretase to generate the 4 kDa amyloid-beta peptide (Abeta), which is deposited in the Alzheimer's disease patient's brains. PION, or GSAP, selectively increases amyloid-beta production through a mechanism involving its interaction with both gamma-secretase and the APP C-terminal fragment, suggesting that PION may be a potential therapeutic target for the treatment of Alzheimer's disease.

Gene ID: 54103

NCBI Accession: [NP_059135](#)

UniProt: [A4D1B5](#)

Application Details

Application Notes: PION antibody can be used for detection of PION by Western blot at 0.25 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PION Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: PION antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.