Datasheet for ABIN783371

anti-GSAP antibody (C-Term)

1 Image

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Overview

Quantity:	0.1 mg
Target:	GSAP (PION)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSAP antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	19 amino acid peptide near the carboxy terminus of human PION
Specificity:	This antibody detects PION at C-term. Multiple isoforms of PION are known to exist. PION antibody is predicted to not cross-react with other F-box protein family members.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GSAP (PION)
Alternative Name:	PION / GSAP (PION Products)
Background:	Accumulation of the amyloid-β peptide (Aβ) in the cerebral cortex is a critical event in the

Target Details

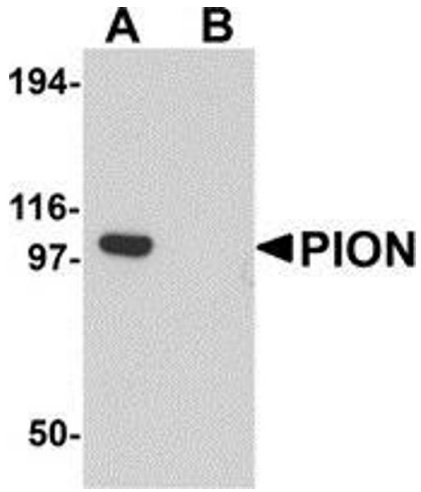
	pathogenesis of Alzheimer s disease. The β-amyloid protein precursor (APP) is cleaved by one of two β-secretases (BACE and BACE2), producing a soluble derivative of the protein and a membrane anchored 99 -amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for γ?secretase to generate the 4 kDa amyloid-β peptide (Aβ), which is deposited in the Alzheimer's disease patients' 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.Synonyms: Gamma-secretase-activating protein, Protein pigeon homolog
Gene ID:	54103
NCBI Accession:	NP_059135
UniProt:	A4D1B5

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of PION in EL4 cell lysate with PION antibody at 0.25 µg/ml in (A) the absence and (B) the presence of blocking peptide.