

Rabbit PION Polyclonal Antibody | anti-PION antibody

PION Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304447	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

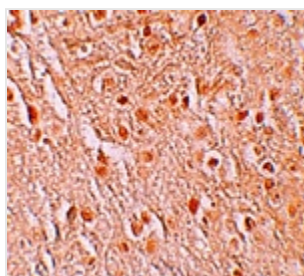
PRODUCT SYNONYMS

PION; Polyclonal Antibody; PION Antibody; Protein pigeon homolog; gamma-secretase activating protein; GSAP; anti-PION antibody

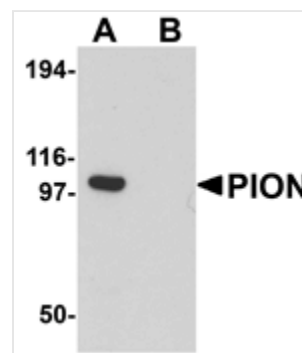
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Multiple isoforms of PION are known to exist. PION antibody is predicted to not cross-react with other F-box protein family members.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	854
Applicable Applications for anti-PION antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the carboxy terminus of human PION.
Target Name	PION
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of PION in human brain tissue with PION antibody at 5 ug/mL.


WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-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 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.
Product Categories/Family for anti-PION antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	148612805
NCBI GeneID	54103
NCBI Accession #	NP_059135
NCBI GenBank Nucleotide #	NM_017439.3
Molecular Weight	28,563 Da
NCBI Official Full Name	gamma-secretase-activating protein
NCBI Official Synonym Full Names	gamma-secretase activating protein
NCBI Official Symbol	GSAP
NCBI Official Synonym Symbols	PION
NCBI Protein Information	gamma-secretase-activating protein
UniProt Protein Name	Gamma-secretase-activating protein
UniProt Gene Name	GSAP
UniProt Synonym Gene Names	PION; GSAP; GSAP-16K
UniProt Entry Name	GSAP_HUMAN

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/pion-antibody-immunohistochemistry-western-blot-elisa/304447>