

## Product datasheet for **AP53308PU-N**

### **PION (GSAP) (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 536-565 amino acids from the C-terminal region of human PION
Specificity:	This antibody recognizes Human PION (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	gamma-secretase activating protein
Database Link:	<a href="#">Entrez Gene 54103 Human</a> <a href="#">A4D1B5</a>



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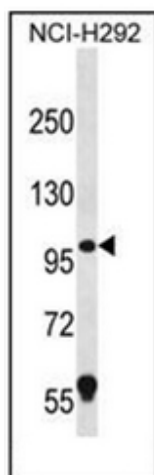
**Background:** Accumulation of neurotoxic amyloid-beta is a major hallmark of Alzheimer disease (AD; MIM 104300). Formation of amyloid-beta is catalyzed by gamma-secretase (see PSEN1; MIM 104311), a protease with numerous substrates. PION, or GSAP, selectively increases amyloid-beta production through a mechanism involving its interaction with both gamma-secretase and its substrate, the amyloid-beta precursor protein (APP; MIM 104760) C-terminal fragment (APP-CTF) (He et al., 2010 [PubMed 20811458]).

**Synonyms:** Gamma-secretase-activating protein, Protein pigeon homolog

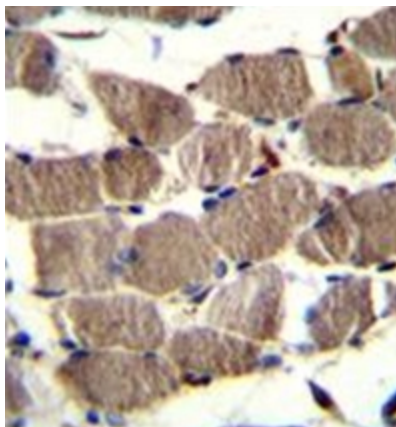
**Note:** **Molecular Weight:** 97802 Da

**Protein Families:** Druggable Genome

### Product images:



Western blot analysis of PION / GSAP (C-term) Antibody (C-term) in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PION antibody detected the PION protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle reacted with PION / GSAP (C-term) Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.