

Datasheet for ABIN954149  
**anti-GSAP antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.4 mL
Target:	GSAP (PION)
Binding Specificity:	AA 536-565, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 536-565 amino acids from the C-terminal region of human PION
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human PION (C-term).
Purification:	Affinity Chromatography on Protein A

## Target Details

Target:	GSAP (PION)
Alternative Name:	PION / GSAP ( <a href="#">PION Products</a> )

## Target Details

**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

**Molecular Weight:** 97802 Da

**Gene ID:** 54103

**NCBI Accession:** [NP\\_059135](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS containing 0.09 % (W/V) Sodium Azide as preservative

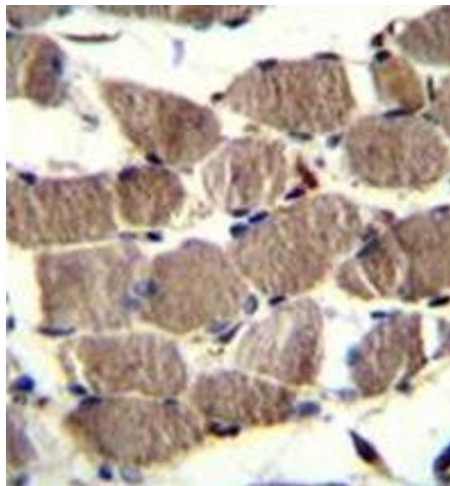
**Preservative:** Sodium azide

**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.

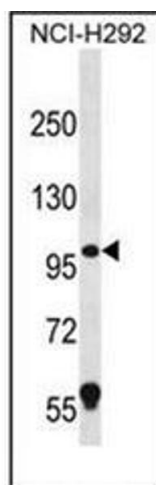
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** 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.



#### Western Blotting

**Image 2.** 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).