

DESCRIPTION

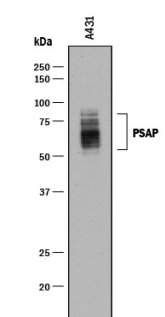
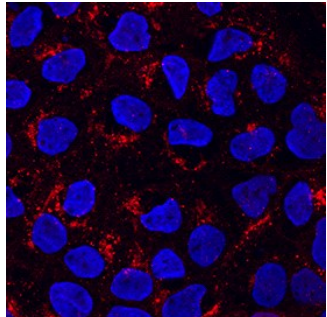
Species Reactivity	Human
Specificity	Detects human PSAP in direct ELISAs and Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human PSAP Gly17-Asn524 Accession # P07602
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1:1000 dilution	See Below
Immunocytochemistry	1:100 dilution	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human PSAP by Western Blot. Western blot shows lysates of A431 human epithelial carcinoma cell line. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Human PSAP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8520) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for PSAP at approximately 60-80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunocytochemistry</p>  <p>PSAP in A431 Human Cell Line. PSAP was detected in immersion fixed A431 human epithelial carcinoma cell line using Rabbit Anti-Human PSAP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8520) at 1:100 dilution for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to Golgi. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.</p>
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PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

Prosaposin behaves as a myelinotrophic and neurotrophic factor, whose effects are mediated by its G-protein-coupled receptors, GPR37 and GPR37L1, undergoing ligand-mediated internalization followed by ERK phosphorylation signaling. By similarity Saposins are specific low-molecular mass non-enzymic proteins and participate in the lysosomal degradation of sphingolipids, which takes place by the sequential action of specific hydrolases. The Prosaposin gets cleaved into 5 chains, Saposin A, B, B-Val, C and D. It also contains several disulfide bonds as well as glycosylation sites.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.