

## Product datasheet for **TA308630**

### PSAP Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Pig)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 250 of PSAP (Uniprot ID#P07602)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	prosaposin
Database Link:	<a href="#">NP_001035930</a> <a href="#">Entrez Gene 5660 Human P07602</a>



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**Background:**

This gene encodes a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease, Tay-Sachs disease, and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

**Synonyms:**

GLBA; SAP1

**Note:**

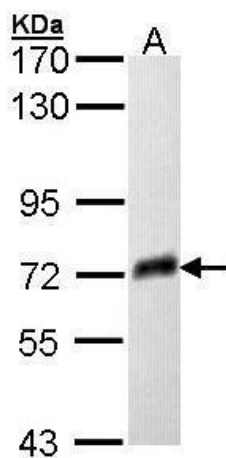
Seq homology of immunogen across species: Pig (87%)

**Protein Families:**

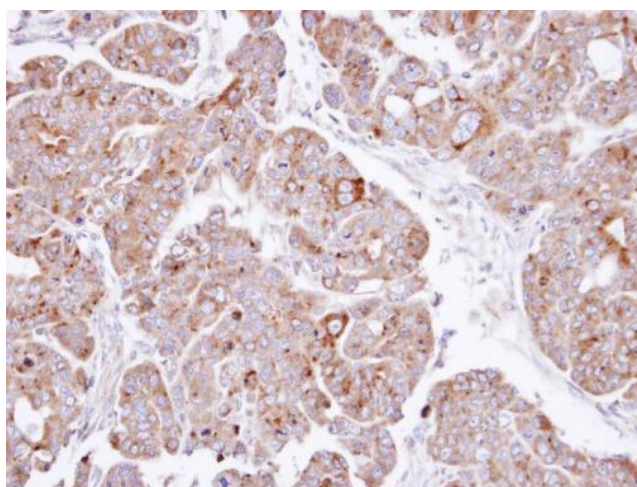
Druggable Genome

**Protein Pathways:**

Lysosome

**Product images:**

Sample (30 ug of whole cell lysate). A: Molt-4.  
7.5% SDS PAGE. TA308630 diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded NCIN87 xenograft, using PSAP (TA308630) antibody at 1:500 dilution.