
Product Name: KD-Validated Prosaposin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01261

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 58.1kDa

Antigen Information

Gene Name	PSAP
Alternative Names	PSAP; Prosaposin; GLBA; SAP1; Sphingolipid Activator Protein-1; Sphingolipid Activator Protein-2; Proactivator Polypeptide; Precursor Of Saposins; Saposin-A; Saposin-B; Saposin-C; Saposin-D; SAP2; Variant Gaucher Disease And Variant Metachromatic Leukodystrophy; PARK24; PSAPD
Gene ID	5660.0
SwissProt ID	P07602
Immunogen	A synthesized peptide derived from human PSAP

Background

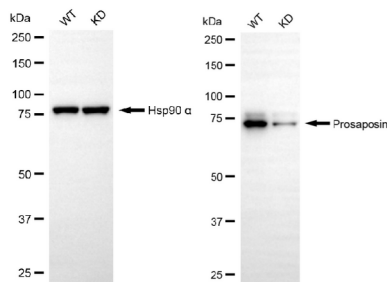
This gene encodes a highly conserved preproprotein that is proteolytically processed to generate four main cleavage products

including 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 and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

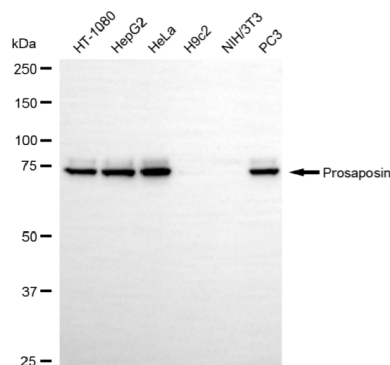
Research Area

Signal Transduction, Metabolism

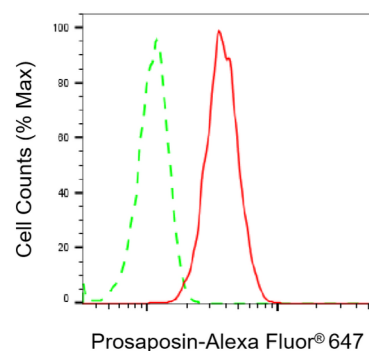
Image Data



Western blotting analysis using prosaposin antibody (KVA01261). Prosaposin expression in wild-type (WT) and prosaposin (PSAP) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with prosaposin antibody (KVA01261, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using prosaposin antibody (KVA01261). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with prosaposin antibody (KVA01261, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Prosaposin expression in HepG2 cells using Prosaposin antibody (KVA01261, 1:2,000). Green, isotype control; red, Prosaposin.