ELK Biotechnology

Saposin rabbit pAb

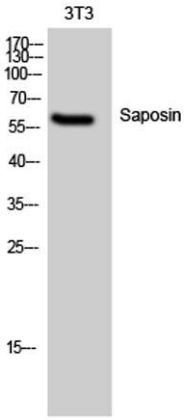
Cat No.:ES6845

For research use only

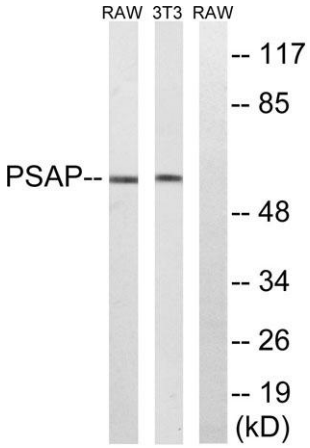
Overview

Product Name	Saposin rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PSAP. AA range:307-356
Specificity	Saposin Polyclonal Antibody detects endogenous levels of Saposin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Proactivator polypeptide
Gene Name	PSAP
Cellular localization	Lysosome .; [Prosaposin]: Secreted . Secreted as a fully glycosylated 70 kDa protein composed of complex glycans. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	58kD
Human Gene ID	5660
Human Swiss-Prot Number	P07602
Alternative Names	PSAP; GLBA; SAP1; Proactivator polypeptide
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],



Western Blot analysis of 3T3 cells using Saposin Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 and RAW264.7 cells, using PSAP Antibody. The lane on the right is blocked with the synthesized peptide.

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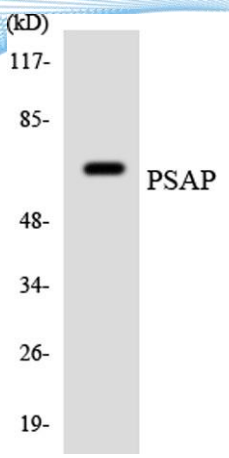
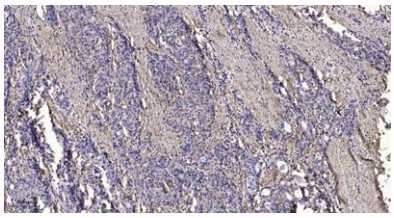


Western blot analysis of the lysates from HeLa cells using PSAP antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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