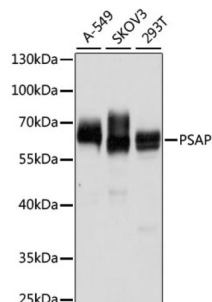
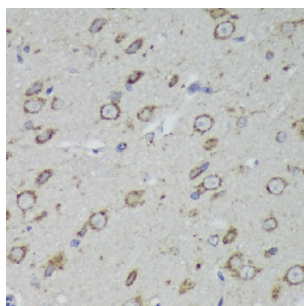


Prosaposin (PSAP) Antibody

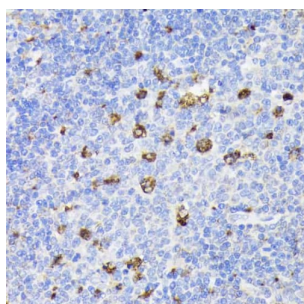
Catalogue No.: abx001503



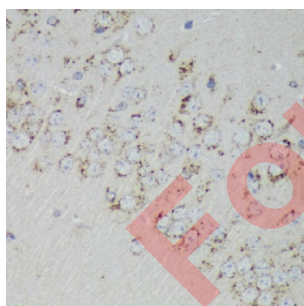
Western blot analysis of extracts of various cell lines using PSAP Antibody (1/1000 dilution).



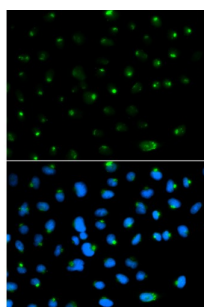
Immunohistochemistry of paraffin-embedded Rat brain using PSAP Antibody (1/200 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Rat spleen using PSAP Antibody (1/200 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse brain using PSAP Antibody (1/200 dilution, 40x lens).



Immunofluorescence analysis of MCF-7 cells using PSAP Antibody

Datasheet

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PSAP Antibody is a Rabbit Polyclonal antibody against PSAP. The PSAP gene encodes prosaposin, a precursor of four small nonenzymatic glycoproteins termed 'sphingolipid activator proteins' (SAPs) that assist in the lysosomal hydrolysis of sphingolipids. After proteolytic processing of the prosaposin protein, these 4 released polypeptides are functional activators. Saposin A is encoded by residues 60 to 143 of PSAP, saposin B by 195 to 275, saposin C by 311 to 390, and saposin D by 405 to 487. They are four 12-14 kDa heatstable glycoproteins. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. Saposins A-D are required for the hydrolysis of certain sphingolipids by specific lysosomal hydrolases. (PMID: 2001789) Defects in PSAP are the cause of Gaucher disease, Tay-Sachs disease, and metachromatic leukodystrophy (PubMed: 2060627, PMID: 15773042). This PSAP antibody (10801-1-AP) is expected to recognize both saposin A and B.

Target:	Prosaposin (PSAP)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PSAP
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P07602 (UniProt , ExPASy)
Gene Symbol:	PSAP
GeneID:	5660
OMIM:	176801
NCBI Accession:	NP_002769.1
HGNC:	9498

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KEGG: hsa:5660

Ensembl: ENSG00000197746

String: [9606.ENSP00000378394](#)

Molecular Weight: Calculated MW: 58 kDa
Observed MW: 58 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only