

[KD Validated] PSAP Rabbit mAb

Catalog No.: A22736 **Recombinant**

Basic Information

Observed MW

72kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P

Cross-Reactivity

Human

CloneNo number

ARC58322

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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:500

Immunogen Information

Gene ID

5660

Swiss Prot

P07602

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 275-524 of human PSAP (NP_002769.1).

Synonyms

GLBA; SAP1; SAP2; PSAPD; PARK24; [KD Validated] PSAP

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

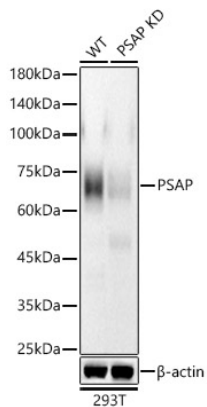
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and PSAP knockdown (KD) 293T cells, using [KD Validated] PSAP Rabbit mAb (A22736) at 1:1000 dilution.

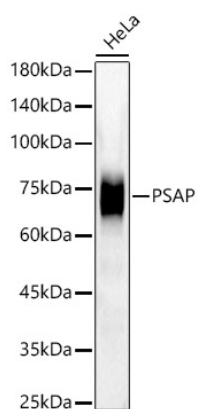
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

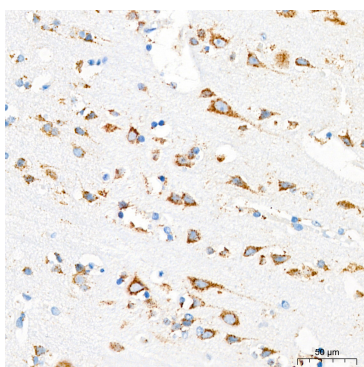
Detection: ECL Enhanced Kit (RM00021).

Exposure time: 60s.

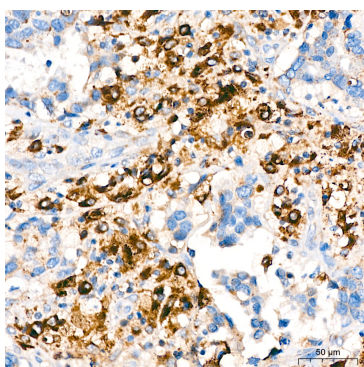


Western blot analysis of lysates from HeLa cells, using [KD Validated] PSAP Rabbit mAb (A22736) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

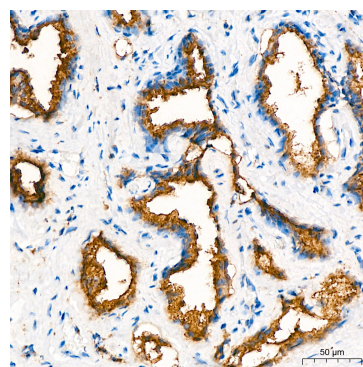
Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using [KD Validated] PSAP Rabbit mAb (A22736) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KD Validated] PSAP Rabbit mAb (A22736) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human prostate cancer tissue using [KD Validated] PSAP Rabbit mAb (A22736) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.