(KO Validated) PSAP Polyclonal Antibody

catalog number: **E-AB-93335**

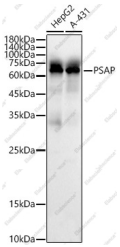
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human PSAP
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

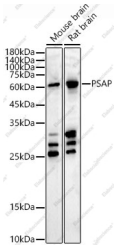
Data



Western blot analysis of various lysates using PSAP Polyclonal Antibody at 1:1000 dilution.

Observed-MW:63 kDa

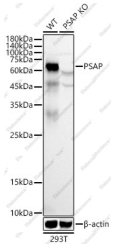
Calculated-MW:58 kDa



Western blot analysis of various lysates using PSAP Polyclonal Antibody antibody at 1:1000 dilution.

Observed-MW:63 kDa

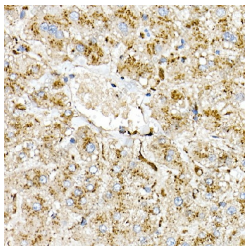
Calculated-MW:58 kDa



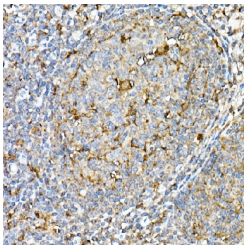
Western blot analysis of extracts from wild type(WT) and PSAP Polyclonal Antibody knockout (KO) 293T cells using PSAP Polyclonal Antibody at 1:1000 dilution.

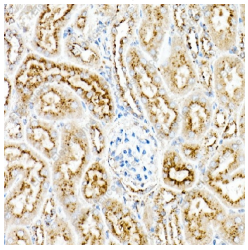
Observed-MW:63 kDa

Calculated-MW:58 kDa

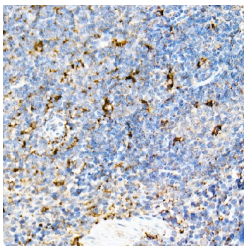


Immunohistochemistry of paraffin-embedded human liver using [KO Validated] PSAP Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



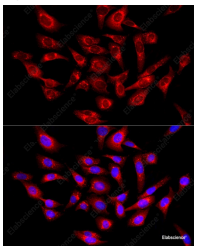


Immunohistochemistry of paraffin-embedded human tonsil using [KO Validated] PSAP Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse spleen using [KO Validated] PSAP Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunohistochemistry of paraffin-embedded mouse kidney using [KO Validated] PSAP Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using PSAP Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.

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