

PTOV1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54231**Specification**

PTOV1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q86YD1
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PTOV1
Epitope Specificity	61-160/416
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the parathyroid hormone family.
SUBUNIT	Interacts with PTH1R (via N-terminal extracellular domain).
DISEASE	Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH) [MIM:146200]; also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

PTOV1 belongs to the Mediator complex subunit 25 family, PTOV1 subfamily. It may activate transcription and is required for nuclear translocation of FLOT1. PTOV1 promotes cell proliferation. There are three named isoforms.

PTOV1 Polyclonal Antibody - Additional Information

Gene ID 53635**Other Names**

Prostate tumor-overexpressed gene 1 protein, PTOV-1, Activator interaction domain-containing protein 2, PTOV1, ACID2

Dilution

WB~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PTOV1 Polyclonal Antibody - Protein Information

Name PTOV1

Synonyms ACID2

Function

May activate transcription. Required for nuclear translocation of FLOT1. Promotes cell proliferation.

Cellular Location

Cytoplasm. Nucleus. Cell membrane. Cytoplasm, perinuclear region. Note=Translocates from the cytoplasm to the nucleus at the onset of S-phase (PubMed:12598323). Also localizes to lipid rafts (PubMed:15713644).

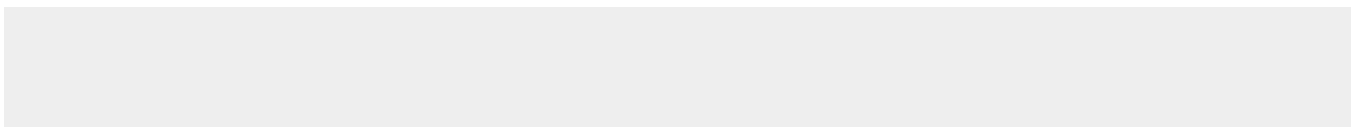
Tissue Location

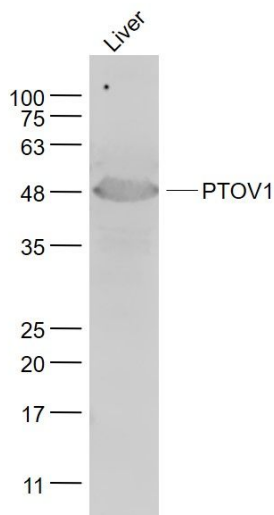
Expressed in brain, heart, kidney, liver, placenta, skeletal muscle and small intestine.

PTOV1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTOV1 Polyclonal Antibody - Images



Sample:

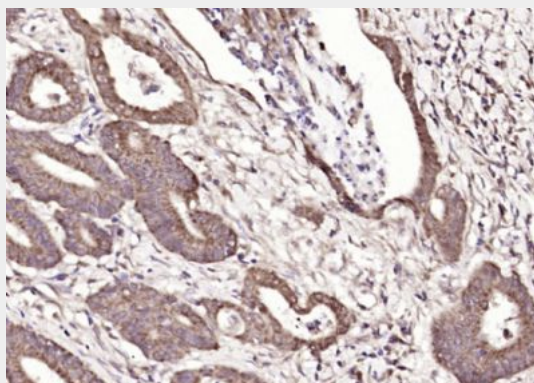
Liver (Mouse) Lysate at 40 ug

Primary: Anti- PTOV1 (bs-10171R) at 1/1000 dilution

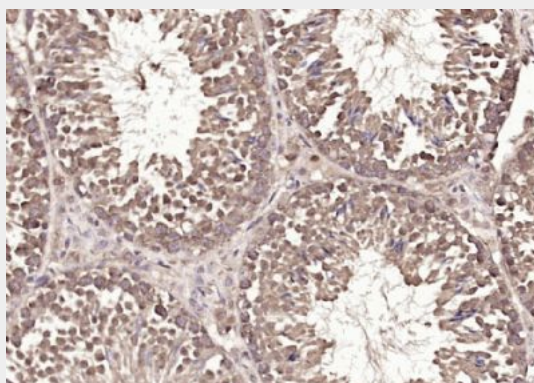
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 48 kD

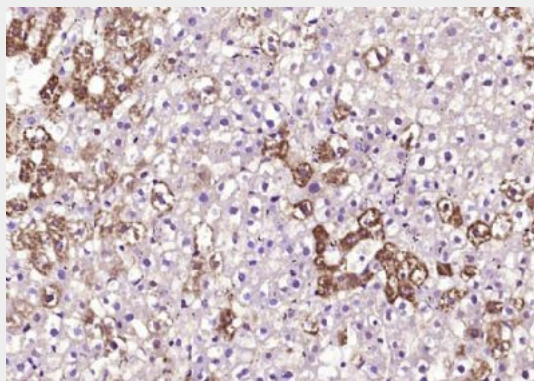


Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTOV1) Polyclonal Antibody, Unconjugated (bs-10171R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium

citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTOV1) Polyclonal Antibody, Unconjugated (bs-10171R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTOV1) Polyclonal Antibody, Unconjugated (bs-10171R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.