

PITPNA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5110

Specification

PITPNA Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q00169
Other Accession	P16446 , P48738 , P53810 , Q2HJ54
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=32;M=32;Rat=32 KDa
Isotype	Rabbit IgG
Antigen Source	Human

PITPNA Antibody (C-term) - Additional Information

Gene ID 5306

Antigen Region
243-270

Other Names

Phosphatidylinositol transfer protein alpha isoform;PITPN; Phosphatidylinositol transfer protein alpha isoform

Dilution

WB~~1:2000
IHC-P~~1:25

Target/Specificity

This PITPNA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-270 amino acids from the C-terminal region of human PITPNA.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PITPNA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PITPNA Antibody (C-term) - Protein Information

Name PITPNA

Synonyms PITPN

Function

Catalyzes the transfer of phosphatidylinositol (PI) and phosphatidylcholine (PC) between membranes (PubMed: [10531358](http://www.uniprot.org/citations/10531358), PubMed: [14962392](http://www.uniprot.org/citations/14962392), PubMed: [15522822](http://www.uniprot.org/citations/15522822), PubMed: [18636990](http://www.uniprot.org/citations/18636990), PubMed: [22822086](http://www.uniprot.org/citations/22822086)). Shows a preference for PI and PC containing shorter saturated or monosaturated acyl chains at the sn-1 and sn-2 positions (PubMed: [15522822](http://www.uniprot.org/citations/15522822), PubMed: [22822086](http://www.uniprot.org/citations/22822086)). Preference order for PC is C16:1 > C16:0 > C18:1 > C18:0 > C20:4 and for PI is C16:1 > C16:0 > C18:1 > C18:0 > C20:4 > C20:3 (PubMed: [22822086](http://www.uniprot.org/citations/22822086)).

Cellular Location

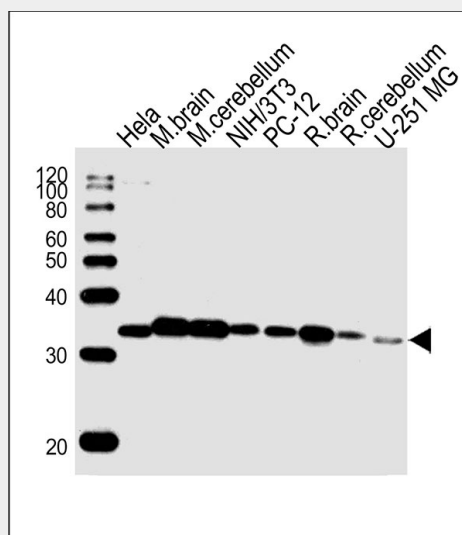
Cytoplasm {ECO:0000250|UniProtKB:P53810}. Nucleus {ECO:0000250|UniProtKB:P53810}

PITPNA Antibody (C-term) - Protocols

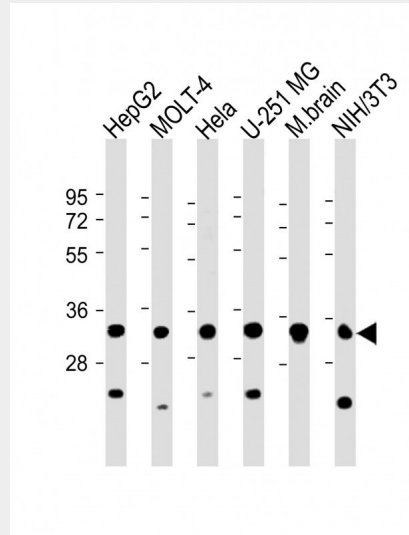
Provided below are standard protocols that you may find useful for product applications.

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

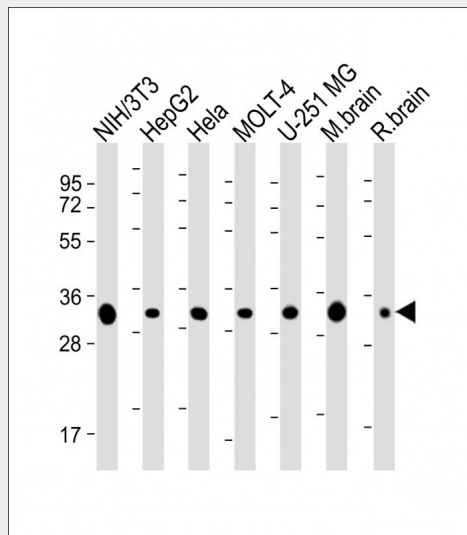
PITPNA Antibody (C-term) - Images



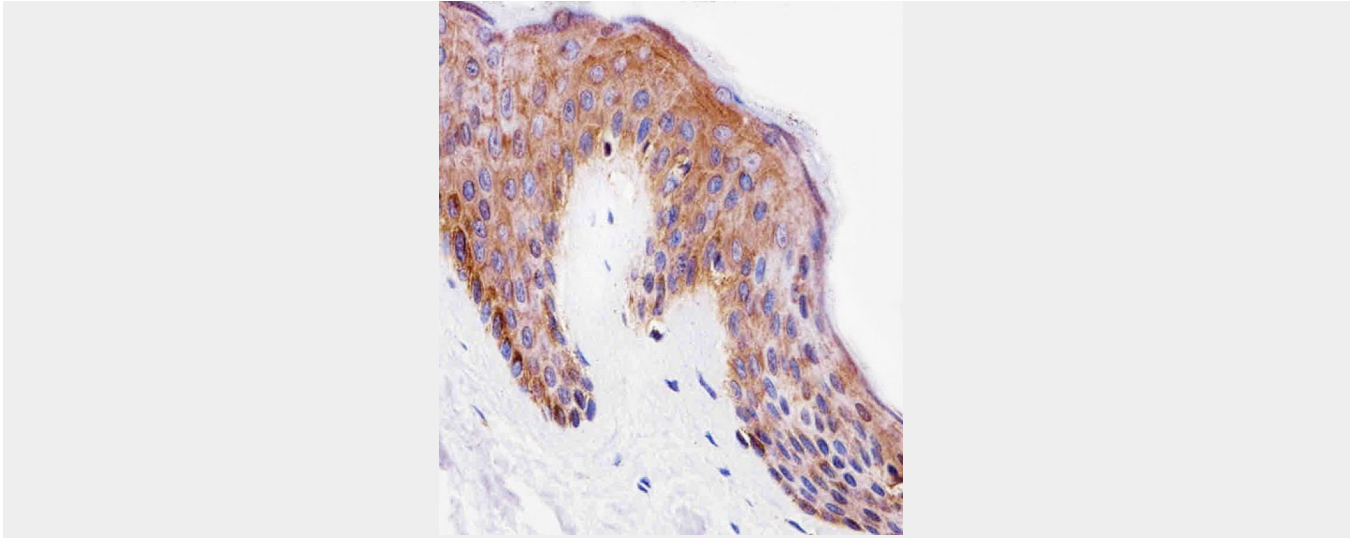
Western blot analysis of lysates from Hela cell line, mouse brain, mouse cerebellum tissue, mouse NIH/3T3, rat PC-12 cell line, rat brain, rat cerebellum tissue, U-251 MG cell line (from left to right), using PITPNA Antibody (C-term)(Cat. #AW5110). AW5110 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



All lanes : Anti-PITPNA Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: U-251 MG whole cell lysate Lane 5: mouse brain lysate Lane 6: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



All lanes : Anti-PITPNA Antibody (C-term) at 1:2000 dilution Lane 1: NIH/3T3 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: MOLT-4 whole cell lysate Lane 5: U-251 MG whole cell lysate Lane 6: mouse brain lysate Lane 7: rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Immunohistochemical analysis of paraffin-embedded H. skin section using PITPNA Antibody (C-term)(Cat#AW5110). AW5110 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

PITPNA Antibody (C-term) - Background

Catalyzes the transfer of PtdIns and phosphatidylcholine between membranes.

PITPNA Antibody (C-term) - References

- Dickeson S.K., et al. Gene 142:301-305(1994).
- Tanaka S., et al. Submitted (NOV-1995) to the EMBL/GenBank/DDBJ databases.
- Lubec G., et al. Submitted (MAR-2007) to UniProtKB.
- Rikova K., et al. Cell 131:1190-1203(2007).
- Choudhary C., et al. Science 325:834-840(2009).