

Rabbit anti-Human PITPNC1 Polyclonal Antibody | anti-PITPNC1 antibody

Anti-PITPNC1 Antibody, Rabbit Polyclonal

CATALOG # AAA256559	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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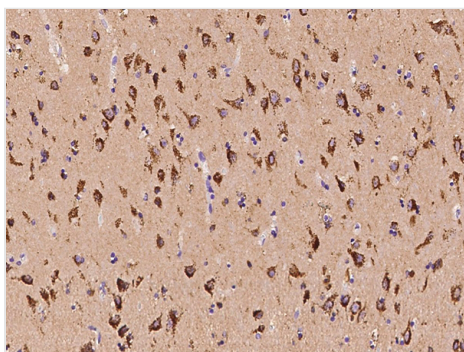
PRODUCT SYNONYMS

PITPNC1; Polyclonal Antibody; Anti-PITPNC1 Antibody; Rabbit Polyclonal; PITPNC1 Antibody; Rabbit PAb; Antigen Affinity Purified; phosphatidylinositol transfer protein; cytoplasmic 1; Anti-M-RDGB-beta Antibody; Anti-MRDGBbeta Antibody; Anti-RDGB-BETA Antibody; Anti-RDGBB Antibody; Anti-RDGBB1 Antibody; anti-PITPNC1 antibody

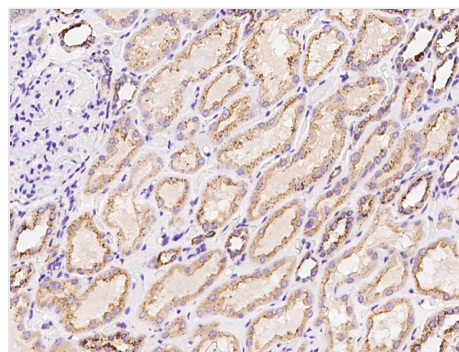
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PITPNC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PITPNC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PITPNC1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PITPNC1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

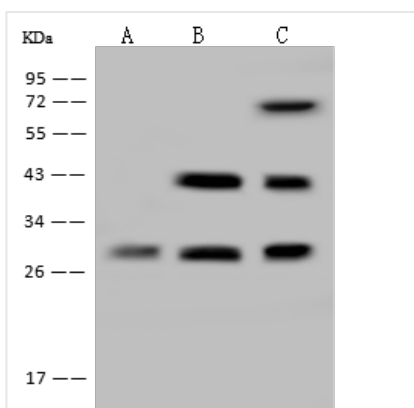
IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of human PITPNC1 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of human PITPNC1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PITPNC1 rabbit polyclonal antibody at 1:500 dilution
 Lane A: HepG2 Whole Cell Lysate
 Lane B: RT-4 Whole Cell Lysate
 Lane C: U-251 MG Whole Cell Lysate
 Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PITPNC1 antibody

Phosphatidylinositol transfer proteins (PITPs), comprising five members in the human genome are implicated in the non-vesicular traffic of phosphatidylinositol (PI) between intracellular membranes and the plasma membrane. Three members of the PITP family (PITPalpha, PITPbeta, and RdgBbeta (retinal degeneration type B) alt. name PITPNC1) are present as single-domain proteins and two (RdgBalphal and RdgBalphall alt. name PITPNM1 and PITPNM2) are present as multi-domain proteins with the PITP domain located at the N-terminus. The phosphatidylinositol transfer protein, cytoplasmic 1 (PITPNC1), a lipid-metabolism-related gene, is amplified in a large fraction of human breast cancer and overexpressed in metastatic breast, melanoma, and colon cancers. PITPNC1 promotes malignant secretion by binding Golgi-resident PI4P and localizing RAB1B to the Golgi. RAB1B localization to the Golgi allows for the recruitment of GOLPH3, which facilitates Golgi extension and enhanced vesicular release. PITPNC1-mediated vesicular release drives metastasis by increasing the secretion of pro-invasive and pro-angiogenic mediators HTRA1, MMP1, FAM3C, PDGFA, and ADAM10.

References

Halberg N, et al. (2016) Pitpnc1 recruits rab1b to the golgi network to drive malignant secretion. Cancer Cell 29 (3): 339-353. Garner K, et al. (2012) Phosphatidylinositol transfer protein, cytoplasmic 1 (pitpnc1) binds and transfers phosphatidic acid. J Biol Chem 287 (38): 32263-32276. Cockcroft S (2012) The diverse functions of phosphatidylinositol transfer proteins. Curr Top Microbiol Immunol 362 185-208.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pitpnc1-antibody-immunohistochemistry-western-blot-elisa/256559>