

## Rabbit anti-Human PITPNB Polyclonal Antibody | anti-PITPNB antibody

Anti-PITPNB Antibody, Rabbit Polyclonal

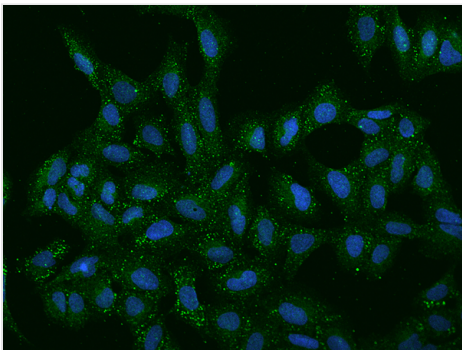
|                               |                       |                            |                                                                              |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA256014</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunocytochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

PITPNB; Polyclonal Antibody; Anti-PITPNB Antibody; Rabbit Polyclonal; PITPNB Antibody; Rabbit PAb; Antigen Affinity Purified; phosphatidylinositol transfer protein; beta; Anti-PI-TP-beta Antibody; Anti-PtdInsTP Antibody; Anti-VIB1B Antibody; anti-PITPNB antibody

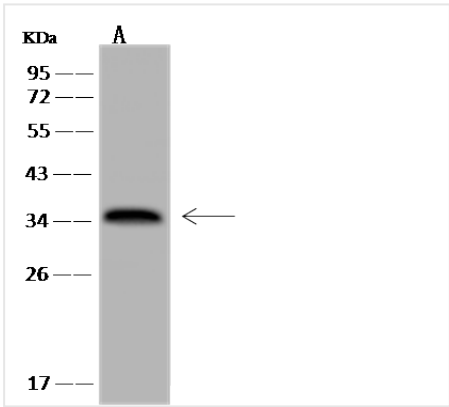
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                      | Human PITPNB                                                                                                                                                                                                                                       |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-PITPNB antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                              |
| Immunogen                                        | E Coli-derived Human PITPNB fragment                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                      | Produced in rabbits immunized with E Coli-derived Human PITPNB 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. |



IF (Immunofluorescence)

Immunofluorescence staining of PITPNB in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PITPNB polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



WB (Western Blot)

Anti-PITPNB rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lane B: NCI-H460 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: 32 kDa Observed band size: 34 kDa

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PITPNB antibody | PITPNB (Phosphatidylinositol Transfer Protein Beta) is a Protein Coding gene. The PITPNB gene, located on 22q12.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C.elegans, and frog. This gene encodes a cytoplasmic protein that catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes. This transfer activity is required for COPI complex-mediated retrograde transport from the Golgi apparatus to the endoplasmic reticulum. Alternative splicing of this gene results in multiple transcript variants. Diseases associated with PITPNB include Cleft Soft Palate. Among its related pathways are Metabolism and Glycerophospholipid biosynthesis. 208 organisms have orthologs with the human gene PITPNB. |
| References                                           | Morgan CP, et al. (2006) Differential expression of a c-terminal splice variant of phosphatidylinositol transfer protein beta lacking the constitutive-phosphorylated ser262 that localizes to the golgi compartment. Biochem J 398 (3): 411-421. Kim WK, et al. (2008) Comparative proteomic analysis of peripheral blood mononuclear cells from atopic dermatitis patients and healthy donors. BMB Rep 41 (8): 597-603. Carvou N, et al. (2010) Phosphatidylinositol-and phosphatidylcholine-transfer activity of pitpbeta is essential for copI-mediated retrograde transport from the golgi to the endoplasmic reticulum. J Cell Sci 123 (Pt 8): 1262-1273.                                                                                                                                                  |

**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.