

For Research Use Only

GOLT1B Polyclonal antibody

Catalog Number: 31368-1-AP



Basic Information

Catalog Number:

31368-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34859

GenBank Accession Number:

BC012455

GeneID (NCBI):

51026

UNIPROT ID:

Q9Y3E0

Full Name:

golgi transport 1 homolog B (S. cerevisiae)

Calculated MW:

15 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: rat stomach tissue,

Background Information

Golgi transport 1B (GOLT1B) is a member of the GOT1 family, and abnormal expressions of proteins in this family are associated with GA membrane trafficking disorders and cellular malignant behaviors. The GOT1 family consists of two primary members, GOLT1A and GOLT1B. High expression of GOLT1A has been correlated with poor prognosis and resistance to endocrine therapy in breast cancer. GOLT1B is located primarily in early Golgi cisternae, the absence of which induces a substantial reduction in the endoplasmic reticulum (ER)-Golgi transport efficiency. The amplification of GOLT1B is correlated with poor prognosis in lung cancer. GOLT1B contributes to epithelial-mesenchymal transition (EMT) in colorectal cancer (CRC) by activating WNT signaling, influencing the secretion of interferon (IFN)- γ , and apoptosis of tumor-infiltrating T lymphocytes. (PMID: 38130634)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

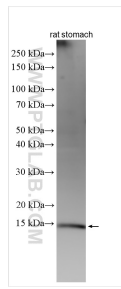
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Rat stomach tissue were subjected to SDS PAGE followed by western blot with 31368-1-AP (GOLT1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.