

For Research Use Only

RAB5IF Polyclonal antibody

Catalog Number: 33697-1-AP



Basic Information

Catalog Number:
33697-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG38730

GenBank Accession Number:
BC004446

GeneID (NCBI):
55969

UNIPROT ID:
Q9BUV8

Full Name:
chromosome 20 open reading frame
24

Calculated MW:
137 aa, 15 kDa

Observed MW:
10-15 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IP: 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

Applications

Tested Applications:
IP, ELISA

Species Specificity:
human

Positive Controls:

IP: Caco-2 cells,

Background Information

Human RAB5IF (RAB5-interacting protein) is a key effector protein of the Rab5 GTPase, primarily localized to early endosomes, where it serves as an essential functional and marker protein. By binding to activated Rab5, it participates in regulating processes such as endosome recognition, fusion, transport, and maturation, making it a core molecule in the study of clathrin-mediated endocytosis and vesicular transport. This protein plays a crucial role in maintaining endosomal dynamics and receptor sorting, while also influencing the spatiotemporal signaling of pathways such as those involving growth factor receptors. Studies suggest that functional abnormalities in RAB5IF may be associated with tumorigenesis and progression, yet its core research domains remain focused on organelle and subcellular labeling, cell biology, and intracellular signal transduction.

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:

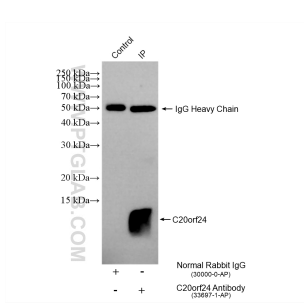
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-C20orf24 (IP:33697-1-AP, 4ug;
Detection:33697-1-AP 1:2000) with Caco-2 cells
lysate 1000 ug.