

For Research Use Only

# RAB5IF Polyclonal antibody, PBS Only

Catalog Number: 33697-1-PBS



## Basic Information

**Catalog Number:**

33697-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

IP, Indirect ELISA

**Species Specificity:**

human

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

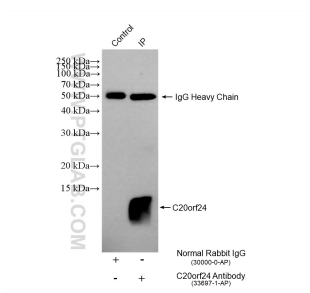
For technical support and original validation data for this product please contact:

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## 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. This data was developed using the same antibody clone with 33697-1-PBS in a different storage buffer formulation.