

## Rabenosyn-5 Polyclonal Antibody Catalog # AP72132

### Specification

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#### Rabenosyn-5 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q9H1K0</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

#### Rabenosyn-5 Polyclonal Antibody - Additional Information

Gene ID 64145

##### Other Names

ZFYVE20; Rabenosyn-5; 110 kDa protein; FYVE finger-containing Rab5 effector protein rabenosyn-5; Zinc finger FYVE domain-containing protein 20

##### Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

##### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

##### Storage Conditions

-20°C

#### Rabenosyn-5 Polyclonal Antibody - Protein Information

Name RBSN ([HGNC:20759](#))

##### Function

Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane. Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3) (PubMed:<a href="http://www.uniprot.org/citations/11062261" target="\_blank">11062261</a>, PubMed:<a href="http://www.uniprot.org/citations/11788822" target="\_blank">11788822</a>, PubMed:<a href="http://www.uniprot.org/citations/15020713" target="\_blank">15020713</a>). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed:<a href="http://www.uniprot.org/citations/22308388" target="\_blank">22308388</a>).

##### Cellular Location

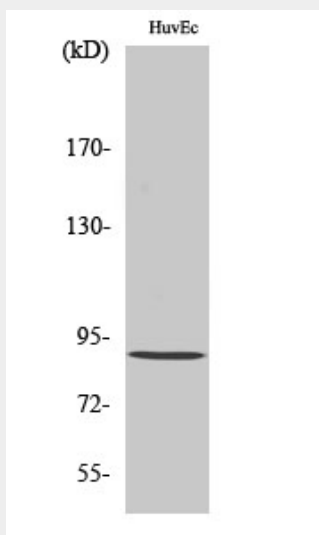
Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor  
Note=Enriched in endosomes that are in close proximity to clathrin- enriched regions at the cell surface.

## Rabenosyn-5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Rabenosyn-5 Polyclonal Antibody - Images



## Rabenosyn-5 Polyclonal Antibody - Background

Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane. Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3) (PubMed:11062261, PubMed:11788822, PubMed:15020713). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed:22308388).