

**ZFYVE20 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21374a****Specification**

---

**ZFYVE20 Antibody (N-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H1K0</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	88870

**ZFYVE20 Antibody (N-Term) - Additional Information****Gene ID** 64145**Other Names**

Rabenosyn-5, 110 kDa protein, FYVE finger-containing Rab5 effector protein rabenosyn-5, RAB effector RBSN {ECO:0000312|HGNC:HGNC:20759}, Zinc finger FYVE domain-containing protein 20, RBSN ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=20759](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20759))

**Target/Specificity**

This ZFYVE20 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 41-65 amino acids from the human region of human ZFYVE20.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ZFYVE20 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ZFYVE20 Antibody (N-Term) - 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:[11062261](#), PubMed:[11788822](#), PubMed:[15020713](#)). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed:[22308388](#)).

#### Cellular Location

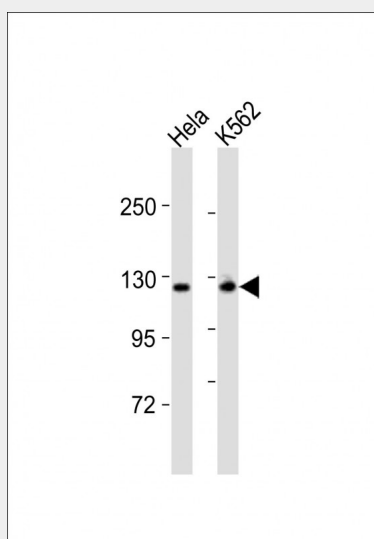
Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor.  
Note=Enriched in endosomes that are in close proximity to clathrin-enriched regions at the cell surface.

#### ZFYVE20 Antibody (N-Term) - Protocols

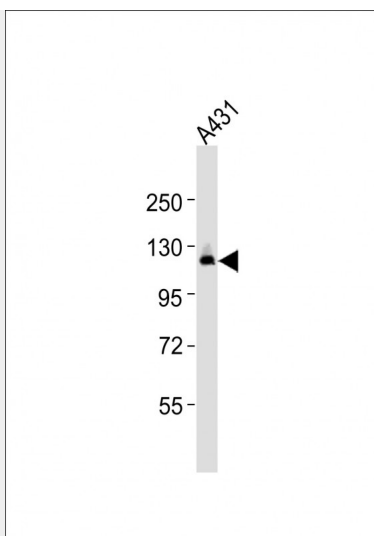
Provided below are standard protocols that you may find useful for product applications.

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

#### ZFYVE20 Antibody (N-Term) - Images



All lanes : Anti-ZFYVE20 Antibody (N-Term) at 1:8000 dilution Lane 1: HeLa whole cell lysates Lane 2: K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 89 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-ZFYVE20 Antibody (N-Term) at 1:2000 dilution + A431 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 89 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

#### **ZFYVE20 Antibody (N-Term) - 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).

#### **ZFYVE20 Antibody (N-Term) - References**

Nielsen E., et al. J. Cell Biol. 151:601-612(2000).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Muzny D.M., et al. Nature 440:1194-1198(2006).  
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.  
de Renzis S., et al. Nat. Cell Biol. 4:124-133(2002).