

**Product Name: Rabenosyn-5 Rabbit Polyclonal Antibody**  
**Catalog #: APRab16816**

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## Summary

<b>Production Name</b>	Rabenosyn-5 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA,IHC-P
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ZFYVE20
<b>Alternative Names</b>	ZFYVE20; Rabenosyn-5; 110 kDa protein; FYVE finger-containing Rab5 effector protein rabenosyn-5; Zinc finger FYVE domain-containing protein 20
<b>Gene ID</b>	64145.0
<b>SwissProt ID</b>	Q9H1K0.The antiserum was produced against synthesized peptide derived from human ZFYVE20. AA range:145-194

## Application

<b>Dilution Ratio</b>	WB 1:500-2000, IHC-P 1:50-300, ELISA 2000-20000
<b>Molecular Weight</b>	89kDa

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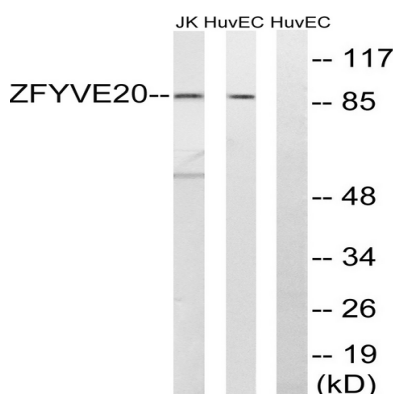
## Background

This gene encodes a protein that belongs to the FYVE zinc finger family of proteins. The encoded protein interacts with Ras-related proteins that regulate membrane trafficking. A missense mutation in this gene is associated with a defect in the early endocytic pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014],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 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).,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 FYVE-type zinc finger.,similarity:Contains 1 UIM (ubiquitin-interacting motif) repeat.,subunit:Interacts with EHD1, RAB4A, RAB5A, RAB22A, RAB24 and VPS45. Binds simultaneously to RAB4A and RAB5A in vitro. Interacts with RAB4A and RAB5A that has been activated by GTP binding.,

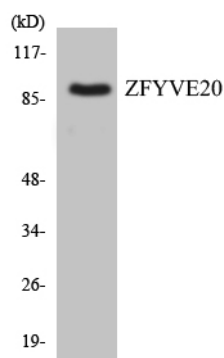
## Research Area

Endocytosis;

## Image Data



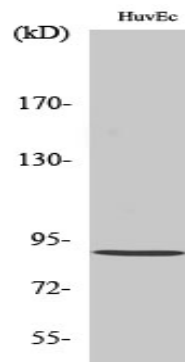
Western blot analysis of lysates from HUVEC and Jurkat cells, using ZFYVE20 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using ZFYVE20 antibody.

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Western Blot analysis of various cells using Rabenosyn-5 Polyclonal Antibody diluted at 1: 1000

### **Note**

For research use only.