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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	89kDa

Antigen Information

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

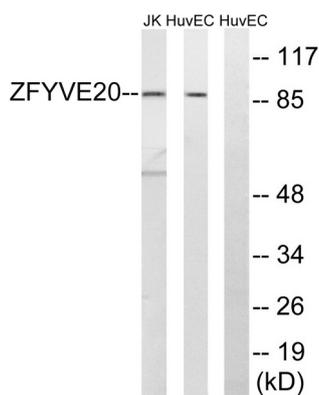
Background

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,

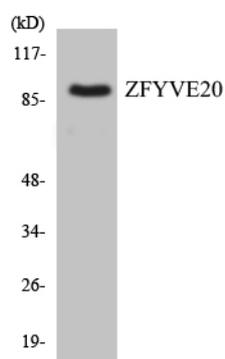
Research Area

Endocytosis;

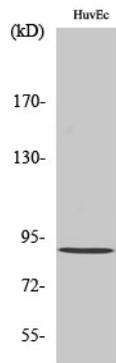
Image Data



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.



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