



# **RUFY1 Polyclonal Antibody**

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Applications WB;ELISA  Gene Name RUFY1  Protein Name RUN and FYVE domain-containing protein 1  Immunogen The antiserum was produced against synthesized peptide derived from human RUFY1. AA range:139-188  Specificity RUFY1 Polyclonal Antibody detects endogenous levels of RUFY1 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms RUFY1; RABIP4; ZFYVE12; RUN and FYVE domain-containing protein 1; FYVE-finger protein EIP1; La-binding protein 1; Rab4-interacting protein; Zinc finger FYVE domain-containing protein 12  Observed Band 80kD  Cell Pathway Cytoplasm. Early endosome membrane; Peripheral membrane protein.  Tissue Specificity Broadly expressed, with highest levels in lung, testis, kidney and brain.  domain: The FYVE-type zinc finger domain mediates interactions with phosphatidylinositol 3-phosphate, function: Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in early endosomal trafficking. PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. PTM:Phosphorylation on Tyr-389 and/or Tyr-400 is required for interaction with BMX and endosomal targeting, similarity. Contains 1 FWE-type zinc finger, similarity. Contains 1 FWE-type zinc finger seed. with highest levels in lung, testis in lung, testis highest levels in lung, testis blank. May interact with SSB. Interacts with RAB4 and RAB5 that have been activated by GTP-binding. itssue specificity:Broadly expressed, with highest levels in lung,	Isotype	IgG
Gene Name         RUFY1           Protein Name         RUN and FYVE domain-containing protein 1           Immunogen         The antiserum was produced against synthesized peptide derived from human RUFY1. AA range:139-188           Specificity         RUFY1 Polyclonal Antibody detects endogenous levels of RUFY1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         RUFY1; RABIP4; ZFYVE12; RUN and FYVE domain-containing protein 1; FYVE-finger protein EIP1; La-binding protein 1; Rab4-interacting protein; Zinc finger protein EIP1; La-binding protein 1; Rab4-interacting protein; Zinc finger protein EIP1; La-binding protein 1; Rab4-interacting protein.           Cell Pathway         Cytoplasm. Early endosome membrane; Peripheral membrane protein.           Tissue Specificity         Broadly expressed, with highest levels in lung, testis, kidney and brain.           Function         domain:The FYVE-type zinc finger domain mediates interactions with phosphalidylinositol 3-phosphate, function: Binds phosp	Reactivity	Human;Mouse
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testis, kidney and brain.,

#### Background

RUN and FYVE domain containing 1(RUFY1) Homo sapiens This gene encodes a protein that contains a RUN domain and a FYVE-type zinc finger domain. The encoded protein binds to phosphatidylinositol-3-phosphate (PI3P) and plays a role in early endosomal trafficking, tethering and fusion through interactions with small GTPases including Rab4, Rab5 and Rab14. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],

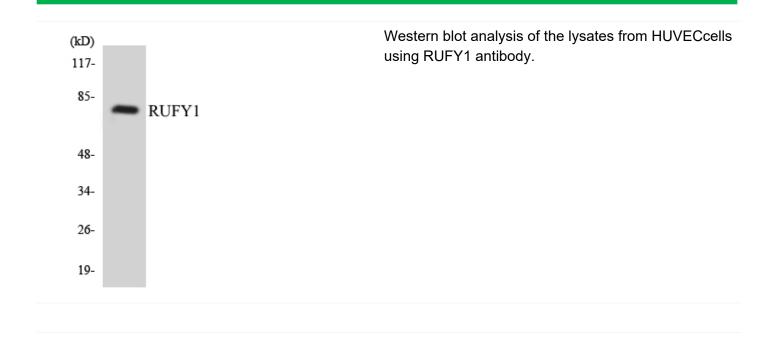
## matters needing attention

Avoid repeated freezing and thawing!

### **Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### **Products Images**



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