

RUFY1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57296**Specification**

RUFY1 Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P, IHC-F, IF, ICC |
| Primary Accession | O96T51 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 79818 |

RUFY1 Polyclonal Antibody - Additional Information**Gene ID** 80230**Other Names**

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, RUFY1, RABIP4, ZFYVE12

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

RUFY1 Polyclonal Antibody - Protein Information**Name** RUFY1 ([HGNC:19760](#))**Synonyms** RABIP4, ZFYVE12**Function**

Activating adapter involved in cargo sorting from early/recycling endosomes. Regulates retrieval of proteins from endosomes to the trans-Golgi network through interaction with the dynein-dynactin complex (PubMed:36282215). Dual effector of RAB4B and RAB14, mediates a cooperative interaction allowing endosomal tethering and fusion (PubMed:20534812). Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in early endosomal trafficking (PubMed:14617813).

target="_blank">14617813). In oocytes, self-assembles to form a protein matrix which hold together endolysosomes, autophagosomes and proteasomes and generate non-membrane-bound compartments called endo- lysosomal vesicular assemblies (ELVAs). In immature oocytes, ELVAs sequester ubiquitinated protein aggregates and degrade them upon oocyte maturation (By similarity).

Cellular Location

Early endosome membrane; Peripheral membrane protein. Note=In oocytes, localizes in non-membrane-bound compartments called endo-lysosomal vesicular assemblies (ELVAs). {ECO:0000250|UniProtKB:Q8BIJ7}

Tissue Location

Broadly expressed, with highest levels in lung, testis, kidney and brain.

RUFY1 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](#)

RUFY1 Polyclonal Antibody - Images