

For Research Use Only

# RUFY1 Recombinant antibody

Catalog Number: 85839-4-RR



## Basic Information

<b>Catalog Number:</b> 85839-4-RR	<b>GenBank Accession Number:</b> BC032571	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80230	<b>CloneNo.:</b> 250159A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96T51	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> RUN and FYVE domain containing 1	
<b>Immunogen Catalog Number:</b> AG4324	<b>Calculated MW:</b> 708 aa, 80 kDa	
	<b>Observed MW:</b> 80 kDa, 69 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, Jurkat cells, HepG2 cells, K-562 cells, HEK-293T cells <b>IF/ICC :</b> HEK-293 cells,

## Background Information

Rab proteins form the largest group within the Ras superfamily of small GTPases, which acts as molecular switches by cycling between their inactive active GTP-bound and GDP-bound forms [PMID:15520808]. The small GTP-binding protein Rab4 has been involved in the recycling of  $\alpha\beta 3$  integrins in response to platelet-derived growth factor (PDGF) stimulation suggesting a role for Rab4 in cell adhesion and migration [PMID:17001082]. Rabip4 (Rab4 interacting protein), which possesses a RUN domain, two coiled-coil domains and a FYVE finger, was identified as an effector of Rab4, a small GTPase that plays a role in the endocytotic pathway in all cell types [PMID:11172003]. RUFY1 exists three isoforms and molecular weight of isoforms are 80 kDa, 69 kDa and 45 kDa.

## Storage

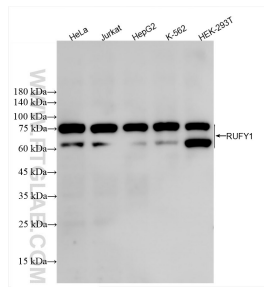
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

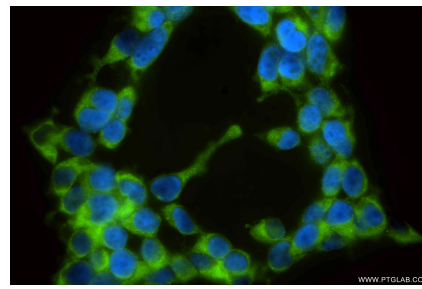
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85839-4-RR (RUFY1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using RUFY1 antibody (85839-4-RR, Clone: 250159A3 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).