

For Research Use Only

RUFY1 Polyclonal antibody

Catalog Number: 13498-1-AP **4 Publications**



Basic Information

Catalog Number: 13498-1-AP	GenBank Accession Number: BC032571	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80230	Recommended Dilutions: WB 1:1000-1:4000 IF 1:20-1:200
Source: Rabbit	Full Name: RUN and FYVE domain containing 1	
Isotype: IgG	Calculated MW: 708 aa, 80 kDa	
Immunogen Catalog Number: AG4324	Observed MW: 69 kDa, 80 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, WB	WB : HeLa cells,
Species Specificity: human, mouse, rat	IF : HeLa cells,
Cited Species: human, mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Shi	30478271	Nat Commun	IF
Christine A Phillips-Krawczak	25355947	Mol Biol Cell	WB, IF
Qiaoming Zhi	30407695	Cancer Sci	CoIP

Storage

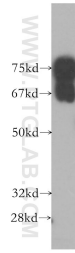
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

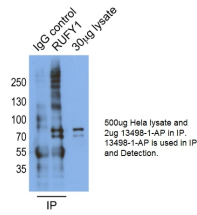
For technical support and original validation data for this product please contact:
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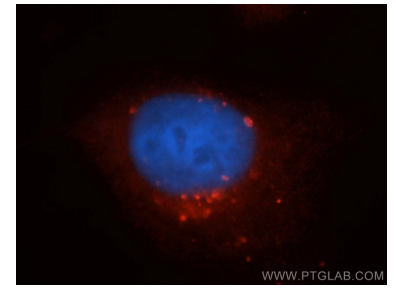
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 13498-1-AP (RUFY1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-RUFY1 (13498-1-AP for IP and Detection).



Immunofluorescent analysis of HeLa cells, using RUFY1 antibody 13498-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).