

RUFY1 Polyclonal Antibody

Catalog number: 13498-1-AP

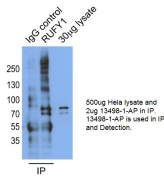
Size: 46 µg/150 µl

Source: Rabbit

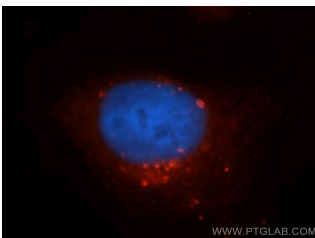
Isotype: IgG

Synonyms:

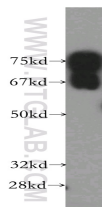
RUFY1; FLJ22251, FYVE finger protein EIP1, La binding protein 1, Rab4 interacting protein, RABIP4, RUFY1, ZFYVE12



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).



HeLa cells were subjected to SDS PAGE followed by western blot with 13498-1-AP(RUFY1 antibody) at dilution of 1:1000

Background

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].

Applications

Tested applications:	ELISA, WB, IF, IP
Cited applications:	IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated RUFY1 MW:	708aa, 80kd
Observed RUFY1 MW:	69kd and 80k
Positive WB detected in	HeLa cells
Positive IP detected in	HeLa cells
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:1000 - 1:4000
	IP: N/A
	IF: 1:25 - 1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4324
GenBank accession number:	BC032571
Gene ID (NCBI):	80230
Full name:	RUN and FYVE domain containing 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.