

For Research Use Only

RAB13 Recombinant antibody

Catalog Number:83336-2-RR



Basic Information

Catalog Number: 83336-2-RR	GenBank Accession Number: BC000799	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 5872	CloneNo.: 240216D10
Source: Rabbit	UNIPROT ID: P51153	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: RAB13, member RAS oncogene family	
Immunogen Catalog Number: AG34898	Calculated MW: 203 aa, 23 kDa	
	Observed MW: 23 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, L02 cells, SW480 cells
Species Specificity: human	IF/ICC : HeLa cells,

Background Information

RAB13 (Ras-related protein Rab-13) is also named as GIG4. Rab13 is a member of the Rab GTPase family. RAB13 is highly expressed in malignant cells. Rab13 was highly expressed in BCSC of triple-negative breast cancer (TNBC) (PMID: 35395074). RAB13 is involved in a number of processes in LIHC, including MTORC1 signaling, MYC targets v1, G2M checkpoint, MITOTIC spindle, DNA repair, P53 pathway, glycolysis, PI3K-AKT-MTOR signaling, etc (PMID: 37803063). RAB13 enhances its circulation to the plasma membrane to promote breast cancer invasion. By influencing the tumor microenvironment, RAB13 maintains breast cancer stem cells (PMID: 37803063).

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

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

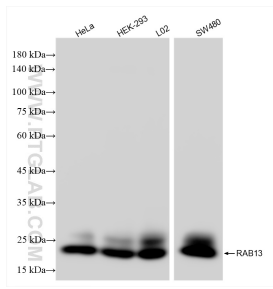
T: 4006900926

E: Proteintech-CN@ptglab.com

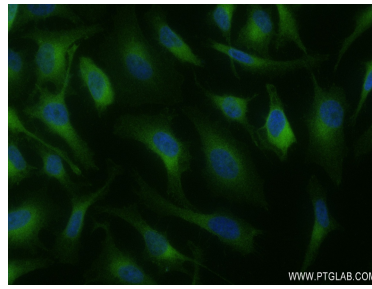
W: ptgcn.com

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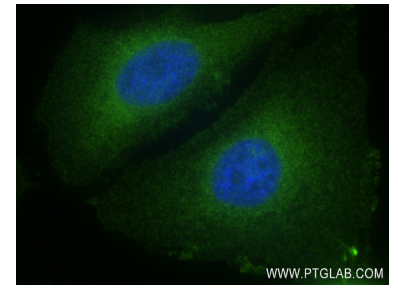
Selected Validation Data



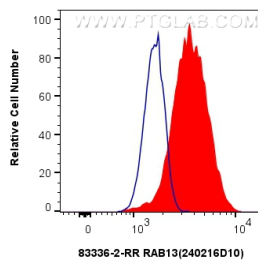
Various lysates were subjected to SDS PAGE followed by western blot with 83336-2-RR (RAB13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RAB13 antibody (83336-2-RR, Clone: 240216D10) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RAB13 antibody (83336-2-RR, Clone: 240216D10) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 K-562 cells were intracellularly stained with 0.25 μ g RAB13 Recombinant antibody (83336-2-RR, Clone:240216D10) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).