

For Research Use Only

RAB13 Polyclonal antibody

Catalog Number: 11718-1-AP



Basic Information

Catalog Number: 11718-1-AP	GenBank Accession Number: BC000799	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 5872	Recommended Dilutions: WB 1:500-1:3000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P51153	
Isotype: IgG	Full Name: RAB13, member RAS oncogene family	
Immunogen Catalog Number: AG2292	Calculated MW: 203 aa, 23 kDa	
	Observed MW: 23 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, mouse colon tissue, mouse lung tissue, rat colon tissue, rat lung tissue
	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

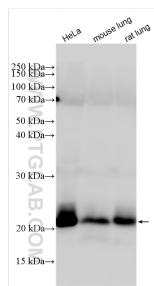
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

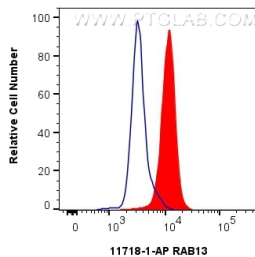
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11718-1-AP (RAB13 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



1×10^6 K-562 cells were intracellularly stained with 0.4 μ g RAB13 Polyclonal antibody (11718-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

