

For Research Use Only

# RAB13 Polyclonal antibody

Catalog Number: 11718-1-AP



## Basic Information

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

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**

WB : HeLa cells, mouse colon tissue, mouse lung tissue, rat colon tissue, rat lung tissue

## 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

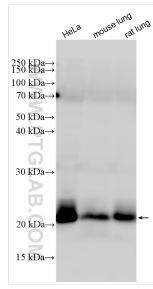
For technical support and original validation data for this product please contact:

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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.