

For Research Use Only

# RAB32 Recombinant antibody

Catalog Number: 82960-1-RR



## Basic Information

<b>Catalog Number:</b> 82960-1-RR	<b>GenBank Accession Number:</b> BC015061	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10981	<b>CloneNo.:</b> 230315A9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13637	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> RAB32, member RAS oncogene family	
<b>Immunogen Catalog Number:</b> AG1450	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 25-28 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, rat	<b>WB :</b> HeLa cells, HepG2 cells, C6 cells <b>IF/ICC :</b> HeLa cells,

## Background Information

Rab32 belongs to the Ras-like small GTPase superfamily, which regulate membrane dynamics, including membrane fusion/fission, exocytosis, and cytoskeletal trafficking. Rab32 anchors the type II regulatory subunit of protein kinase A to the mitochondrion and aids in mitochondrial fission. TRab32 also appears to be involved in autophagy and melanosome secretion.

## Storage

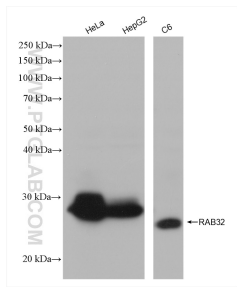
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

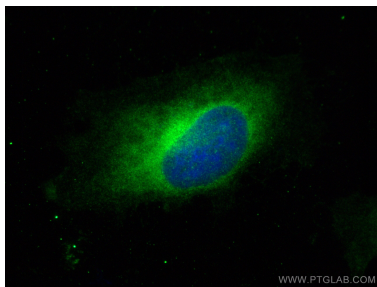
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

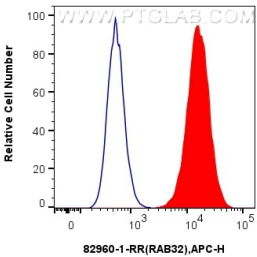
## Selected Validation Data



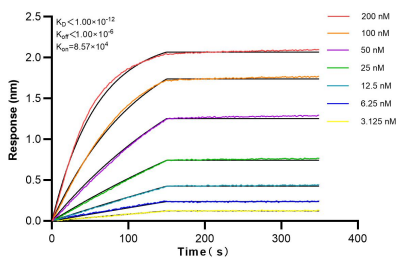
Various lysates were subjected to SDS PAGE followed by western blot with 82960-1-RR (RAB32 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using RAB32 antibody (82960-1-RR, Clone: 230315A9) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



1x10<sup>6</sup> U-251 cells were intracellularly stained with 0.25 ug Anti-Human RAB32 (82960-1-RR, Clone:230315A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82960-1-RR against Human RAB32 were performed. The affinity constant is below 1 pM.