

For Research Use Only

RAB32 Recombinant antibody

Catalog Number: 82960-5-RR



Basic Information

Catalog Number:	82960-5-RR	GenBank Accession Number:	BC015061	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	10981	CloneNo.:	230315B10
Source:	Rabbit	UNIPROT ID:	Q13637	Recommended Dilutions:	IHC 1:50-1:500 IF/ICC 1:50-1:500
Isotype:	IgG	Full Name:	RAB32, member RAS oncogene family		
Immunogen Catalog Number:	AG1450	Calculated MW:	25 kDa		

Applications

Tested Applications:	IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:	
Species Specificity:	human	IHC :	human intrahepatic cholangiocarcinoma tissue,
		IF/ICC :	U-251 cells, HeLa cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

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

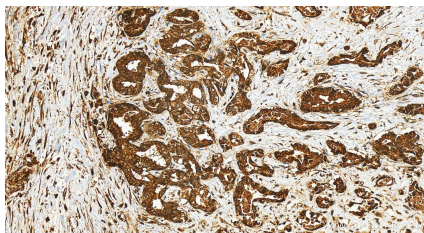
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

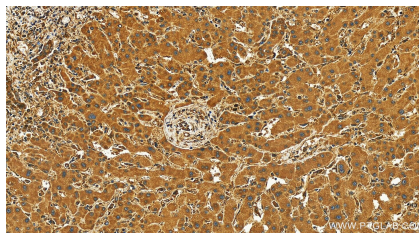
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

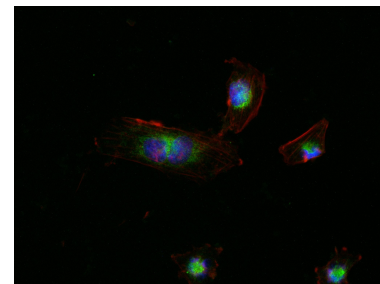
Selected Validation Data



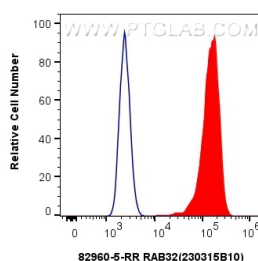
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82960-5-RR (RAB32 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



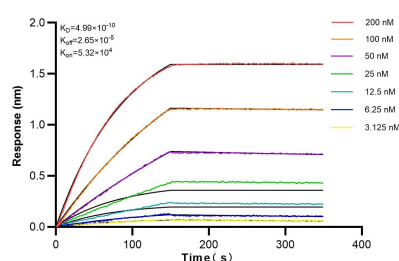
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82960-5-RR (RAB32 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using RAB32 antibody (82960-5-RR, Clone: 230315B10) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug RAB32 Recombinant antibody (82960-5-RR, Clone:230315B10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82960-5-RR against Human RAB32 were performed. The affinity constant is 0.499 nM.