

For Research Use Only

RAB32 Recombinant antibody

Catalog Number: 82960-5-RR



Basic Information

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| Catalog Number: 82960-5-RR | GenBank Accession Number: BC015061 | Purification Method: Protein A purification |
| Size: 1000 ug/ml | 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

Species Specificity:
human

Positive Controls:
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

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

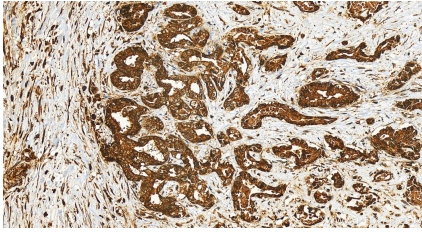
T: 4006900926

E: Proteintech-CN@ptglab.com

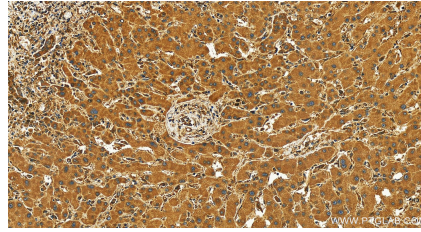
W: ptgcn.com

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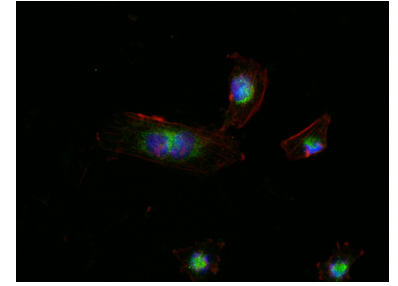
Selected Validation Data



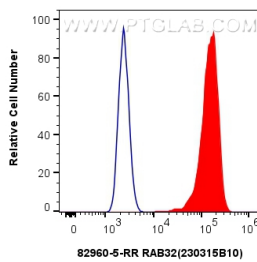
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82960-5-RR (RAB32 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



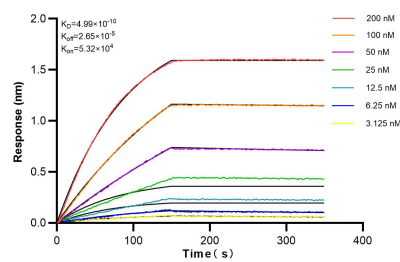
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82960-5-RR (RAB32 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g 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 μ g 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.