

For Research Use Only

RAB17 Polyclonal antibody

Catalog Number: 17501-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

17501-1-AP

Size:

150ul, Concentration: 347 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11688

GenBank Accession Number:

BC050426

GeneID (NCBI):

64284

UNIPROT ID:

Q9HOT7

Full Name:

RAB17, member RAS oncogene family

Calculated MW:

212 aa, 23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:25-1:50

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human

Cited Species:

human

Positive Controls:

IHC : human pancreas tissue,

IF/ICC : WIF-B 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

RAB17 is a member of the RAS oncogene family and is classified as a small GTPase that plays a crucial role in intracellular membrane trafficking. It is specifically expressed in epithelial cells and is involved in various cellular functions such as transcytosis, the directed movement of endocytosed material through the cell and its exocytosis from the plasma membrane at the opposite side. This process is mainly observed in epithelial cells and is important for the transcellular transport of substances like immunoglobulins from the basolateral surface to the apical surface. RAB17 is also implicated in the regulation of melanosome transport and release from melanocytes, which is critical for pigmentation in skin cells. Additionally, it has been suggested to regulate dendrite and dendritic spine development, which are important for neuronal function. The protein is involved in membrane trafficking through apical recycling endosomes in a post-endocytic step of transcytosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Anneliese C Striz	30256711	Mol Biol Cell	WB
Anneliese C Striz	26957544	J Biol Chem	WB
Xuefei Jiang	35154286	Front Genet	WB,IHC

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

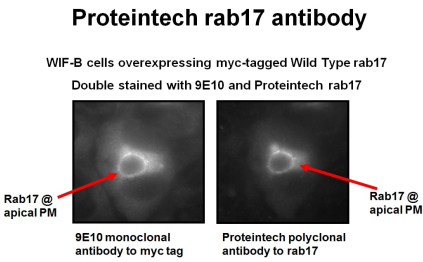
For technical support and original validation data for this product please contact:

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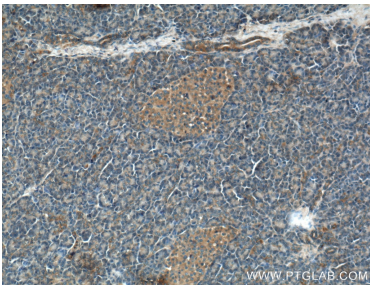
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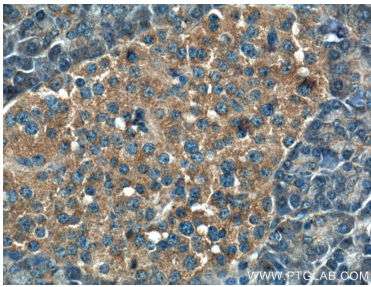
Selected Validation Data



IF result of RAB17 antibody (17501-1-AP) with WIF-B cells overexpressed myc-tagged RAB17 by A.C. Striz and Dr. P.L. Tuma.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 17501-1-AP (RAB17 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 17501-1-AP (RAB17 antibody) at dilution of 1:50 (under 40x lens).