

RAB7 Rabbit mAb

Catalog No: #49113

Package Size: #49113-1 50ul #49113-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	RAB7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN202-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CMT2B antibody PRO2706 antibody PSN antibody RAB7, member RAS oncogene family antibody RAB7A antibody RAB7A, member RAS oncogene family antibody RAB7A_HUMAN antibody Ras associated protein RAB7 antibody Ras related protein Rab7 antibody Ras related protein Rab7a antibody Ras-related protein Rab-7a antibody
Accession No.	Swiss-Prot#:P51149
Uniprot	P51149
GeneID	7879;
Calculated MW	23 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

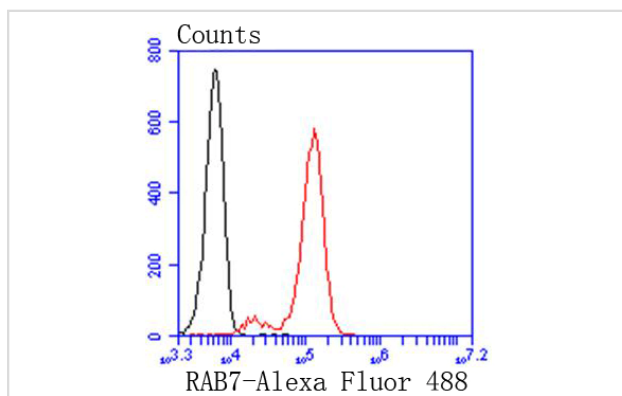
WB: 1:1,000-5,000

IHC: 1:50-1:200

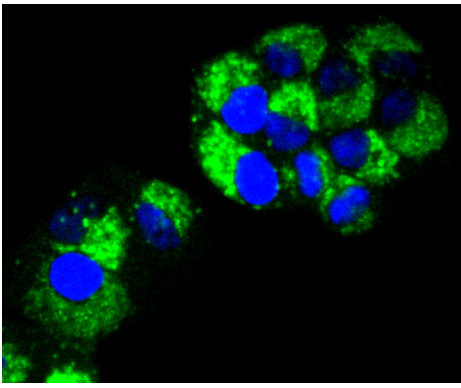
ICC: 1:100-1:500

FC: 1:50-1:100

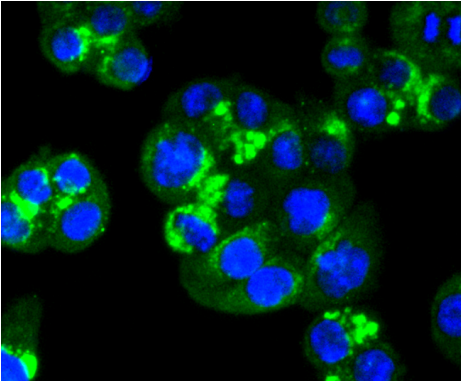
Images



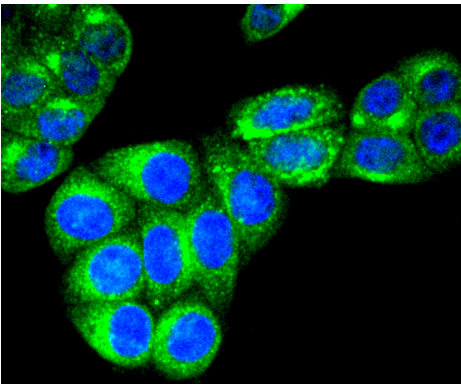
Flow cytometric analysis of K562 cells with RAB7 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



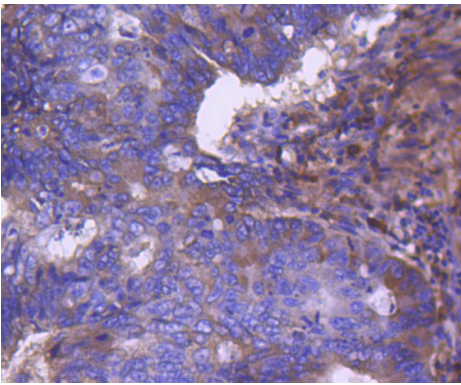
ICC staining RAB7 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



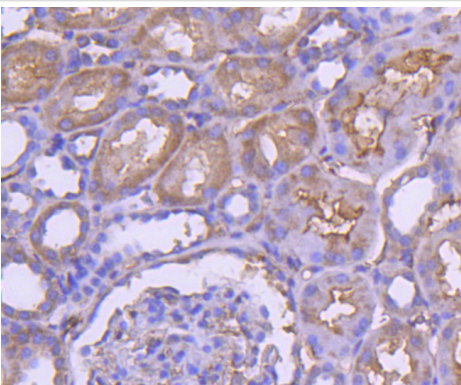
ICC staining RAB7 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



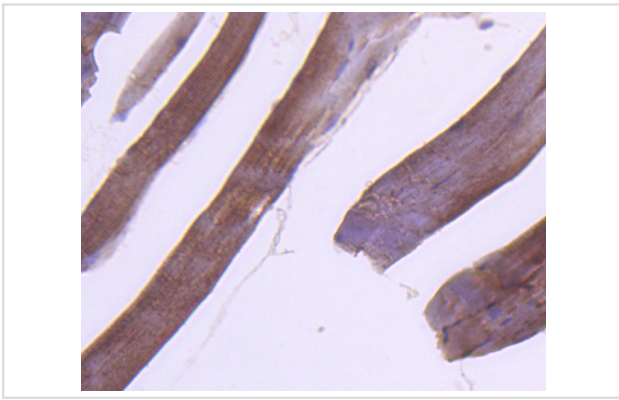
ICC staining RAB7 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



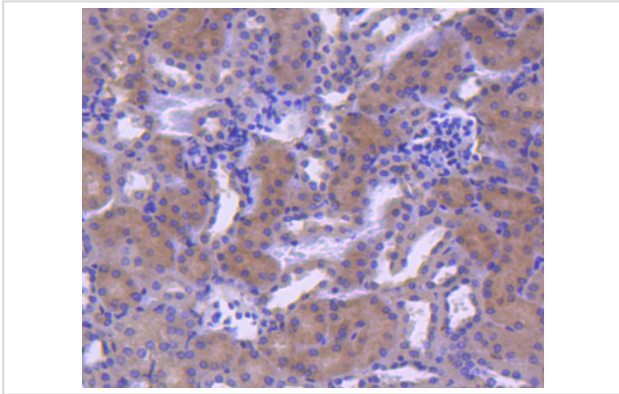
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-RAB7 antibody. Counter stained with hematoxylin.



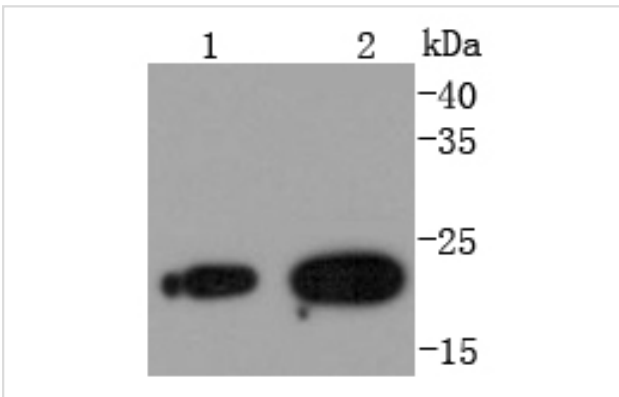
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-RAB7 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-RAB7 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-RAB7 antibody. Counter stained with hematoxylin.



Western blot analysis of RAB7 on different lysates using anti-RAB7 antibody at 1/1,000 dilution. Positive control: Lane 1: A431 Lane 2: C2C12

Background

The Ras-related superfamily of guanine nucleotide binding proteins, which includes the Ral/Rec, Rap, R-Ras, and Rho/Rab subfamilies, exhibit 30-60% homology with Ras p21. Accumulating data suggests an important role for Rab proteins, either in endocytosis or in biosynthetic protein transport. The transport of newly synthesized proteins from the endoplasmic reticulum to various stacks of the Golgi complex and to secretory vesicles involves at each stage the movement of carrier vesicles, a process that appears to involve Rab protein function. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the Sec4 protein, which is 40% homologous to Rab proteins, is associated with secretory vesicles. Several members of the Rab subfamily have been identified, each of which is found at a particular stage of a membrane transport pathway.

References

Note: This product is for in vitro research use only