

Rab 26

Cat.No. 269 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: 1 : 100 IHC: not tested yet IHC-P/FFPE: not tested yet
Clone	163E12
Subtype	IgG2a (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 256 from human Rab26 (UniProt Id: Q9ULW5)
Epitop	Epitop: AA 1 to 256 from human Rab26 (UniProt Id: Q9ULW5)
Reactivity	Reacts with: human (Q9ULW5), rat (P51156), mouse (Q504M8). Other species not tested yet.
Specificity	Specific for Rab 26.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Rab 26 is a member of the Rab protein family that belongs to the ras-related superfamily of small monomeric GTPases. These proteins are involved in intracellular fusion reactions of vesicles or organelles with their target membranes.

Rab 26 is involved in the transport from Golgi to secretory granules.

Selected References SYSY Antibodies

The GTPase Rab26 links synaptic vesicles to the autophagy pathway.
Binotti B, Pavlos NJ, Riedel D, Wenzel D, Vorbrüggen G, Schalk AM, Kühnel K, Boyken J, Erck C, Martens H, Chua JJ, et al. eLife (2015) 4: e05597. **WB, IP, ICC**

Plekhhg5-regulated autophagy of synaptic vesicles reveals a pathogenic mechanism in motoneuron disease.
Lüningschrör P, Binotti B, Dombert B, Heimann P, Perez-Lara A, Slotta C, Thau-Habermann N, R von Collenberg C, Karl F, Damme M, Horowitz A, et al. Nature communications (2017) 8(1): 678. **ICC**

Selected General References

Rab26 modulates the cell surface transport of α2-adrenergic receptors from the Golgi.
Li C, Fan Y, Lan TH, Lambert NA, Wu G
The Journal of biological chemistry (2012) 287(51): 42784-94.

RAB26 and RAB3D are direct transcriptional targets of MIST1 that regulate exocrine granule maturation.
Tian X, Jin RU, Bredemeyer AJ, Oates EJ, Błazewska KM, McKenna CE, Mills JC
Molecular and cellular biology (2010) 30(5): 1269-84.

Molecular cloning of a new member of the Rab protein family, Rab 26, from rat pancreas.
Wagner AC, Strowski MZ, Göke B, Williams JA
Biochemical and biophysical research communications (1995) 207(3): 950-6.