

Rab17 (D2B2) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M	Endogenous	23	Rabbit IgG	#Q9H0T7	64284

Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Rab17 (D2B2) Rabbit mAb detects endogenous levels of total Rab17 protein.

Species predicted to react based on 100% sequence homology

Monkey

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe173 of human Rab17 protein.

Background

Rab17 belongs to the Rab family of small Ras-like GTPases. It is specifically expressed in epithelial cells and is upregulated during cell polarization (1). Immunofluorescence staining studies indicate that Rab17 is associated with the perinuclear recycling endosome in nonpolarized epithelial cells and with the apical recycling endosome in polarized epithelial cells (2). The function of Rab17 remains unclear. Reports of Rab17 colocalization with internalized IgA in the apical endosome suggest that it may regulate receptor-mediated transcytosis (3). Rab17 has also been shown to regulate melanocytic filopodia formation and melanosome trafficking. siRNA knockdown of Rab17 in melanoma cells induces melanosome accumulation in the cell periphery (4).

Background References

1. Lütcke, A. et al. (1993) *J Cell Biol* 121, 553-64.
2. Zacchi, P. et al. (1998) *J Cell Biol* 140, 1039-53.
3. Hunziker, W. and Peters, P.J. (1998) *J Biol Chem* 273, 15734-41.
4. Beaumont, K.A. et al. (2011) *Traffic* 12, 627-43.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse

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