

Rab 10 Mouse mAb

CatalogNo: YM0544

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- WB, IF, ELISA

MW

- 23kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

Immunogen Purified recombinant fragment of human Rab 10 expressed in E. Coli.

Specificity Rab 10 Monoclonal Antibody detects endogenous levels of Rab 10 protein.

Target Information

Gene name RAB10

Protein Name Ras-related protein Rab-10

Organism	Gene ID	UniProt ID
Human	10890 ;	P61026 ;
Mouse	19325 ;	P61027 ;

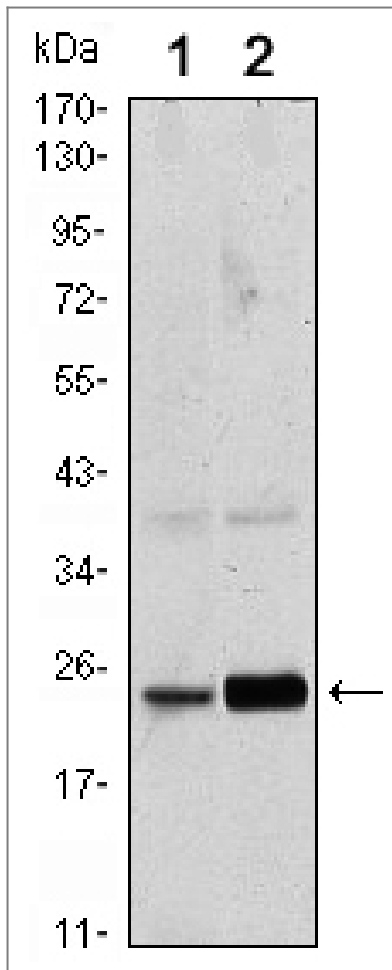
Cellular Localization

Cytoplasmic vesicle membrane ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus membrane . Golgi apparatus, trans-Golgi network membrane . Endosome membrane . Recycling endosome membrane . Cytoplasmic vesicle, phagosome membrane . Cytoplasm, cytoskeleton, cilium basal body . Endoplasmic reticulum membrane . Cytoplasm, perinuclear region . Associates with SLC2A4/GLUT4 storage vesicles (PubMed:22908308). Localizes to the base of the cilium when phosphorylated by LRRK2 on Thr-73 (PubMed:20576682, PubMed:30398148). Transiently associates with phagosomes (By similarity). Localizes to the endoplasmic reticulum at domains of new tubule growth (PubMed:23263280). .

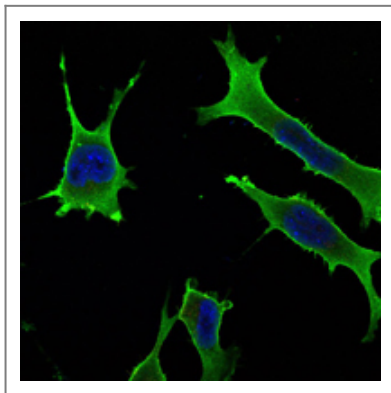
Tissue specificity Expressed in the hippocampus (PubMed:29562525). Expressed in neutrophils (at protein level) (PubMed:29127255). Expressed in the testis (at protein level) (PubMed:28067790).

Function Function:May be involved in vesicular trafficking and neurotransmitter release.,similarity:Belongs to the small GTPase superfamily. Rab family.,

| Validation Data



Western Blot analysis using Rab 10 Monoclonal Antibody against HeLa (1) and NIH/3T3 (2) cell lysate.



Immunofluorescence analysis of LOVO cells using Rab 10 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.

Contact information

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