

Mouse Monoclonal Antibody to Rab25

Order Information

Catalog#	20430
Size/Concentration	50ul 100ul
Price(¥)	1280 2180

Description

Members of the Ras-related superfamily of GTP binding proteins, which includes Ras, Rho, Rab and ARF subfamilies, exhibit 30-50% similarity with Ras p21. Rab proteins play an important role for either in endocytosis or in biosynthetic protein transport. 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% similar to Rab proteins, is associated with secretory vesicles. Rab proteins located on the cytoplasmic face of organelles and vesicles, rab proteins are involved in intracellular membrane fusion reactions. Rab25 was cloned from a gastric parietal cell cDNA library and is expressed in epithelial tissues such as the gastrointestinal mucosae, kidney, and lung, which encoded a protein of 28 kDa.

Specification

Entrez GeneID	57111
Aliases	CATX-8; RAB25
Clone#	3F12
MW	24kDa
Host/Isotype	Mouse IgG1
Storage	4°C; -20°C for long term storage. Avoid freeze/thaw cycles.
Species Reactivity	Human, Mouse
Immunogen	Purified recombinant fragment of Rab25 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Application

ELISA	1/10000
WB	1/500 - 1/2000
ICC	1/200 - 1/1000
FCM	1/200 - 1/400
IHC	1/200 - 1/1000

References

1. JR Goldenring, KR Shen, HD Vaughan. et al. J. Biol. Chem, 1993, 268(25):18419-18422
2. Xiaoye W, Ravindra K, Jennifer N. et al. J. Biol. Chem, 2000, 275(37):29138-29146

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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

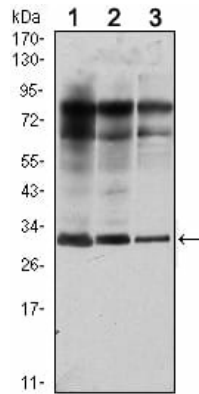
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

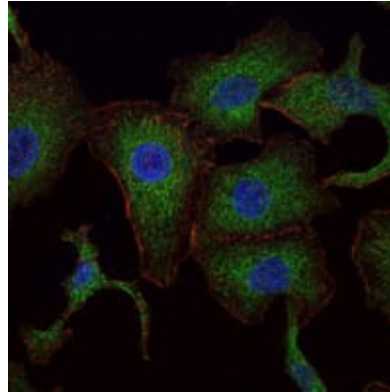
Application Key: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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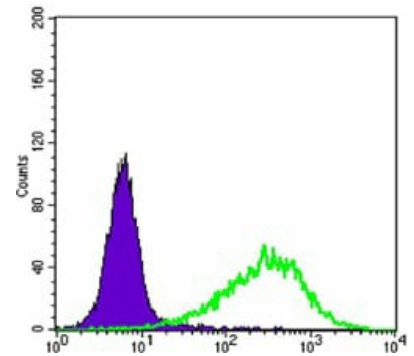
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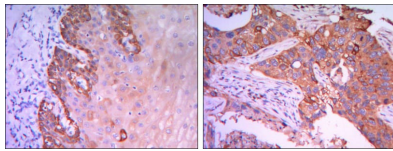
Western blot analysis using Rab25 mouse mAb against MCF-7 (1), T47D (2) and GC7901 (3) cell lysate.



Immunofluorescence analysis of A549 cells using RAB25 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of NIH/3T3 cells using Rab25 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human esophagus tissues (left) and human lung cancer (right) using Rab25 mouse mAb with DAB staining.

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