

RAB27B monoclonal antibody

Catalog: MB66707

Host: Mouse

Reactivity: Human, Mouse

BackGround:

Rab27 proteins are members of the Ras superfamily of small Rab GTPases associated with the process of exocytosis, and in particular the exosome secretion pathway. There are two Rab27 isoforms, Rab27A and Rab27B, which are encoded by separate genes and which exhibit distinct subcellular localization and functions. Rab27A colocalizes to CD63+ vesicles, whereas Rab27B is observed in perinuclear vesicles. Targeted knockdown studies suggest that the isoforms control distinct steps of the exosome secretion pathway. Rab27A participates in docking and membrane fusion from multivesicular endosomes (MVEs) to exosomes, whereas Rab27B mediates the transfer of membrane vesicles from the trans-Golgi network to MVEs. It has been suggested that Rab27A and Rab27B may have importance in exosome secretion by cancer cells.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 27 kDa

Swiss-Prot:

O00194

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), FC (1/10 - 1/50)

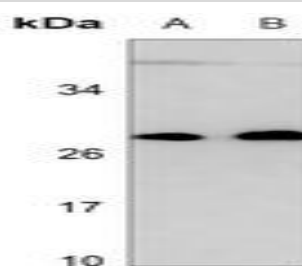
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

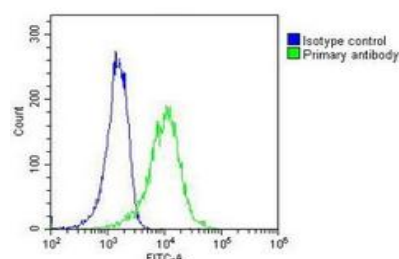
Specificity:

Recognizes endogenous levels of RAB27B protein.

DATA:



Western blot analysis of RAB27B expression in DU145 (A), mouse stomach (B) whole cell lysates.



Note:

For research use only, not for use in diagnostic procedure.

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