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RAB27A Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant RAB27A.
Catalog # AT3518a

Product Information

Application	WB, IHC, E
Primary Accession	P51159
Other Accession	NM_004580
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1G7
Calculated MW	24868

Additional Information

Gene ID	5873
Other Names	Ras-related protein Rab-27A, Rab-27, GTP-binding protein Ram, RAB27A, RAB27
Target/Specificity	RAB27A (NP_004571, 122 a.a. ~ 221 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RAB27A Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

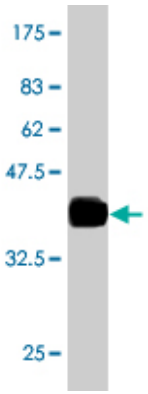
The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Mutations in this gene are associated with Griscelli syndrome type 2. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.

References

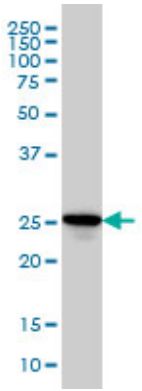
1.Activated Cdc42-Bound IQGAP1 Determines the Cellular Endocytic Site.Kimura T, Yamaoka M, Taniguchi S, Okamoto M, Takei M, Ando T, Iwamatsu A, Watanabe T, Kaibuchi K, Ishizaki T, Niki IMol Cell Biol. 2013

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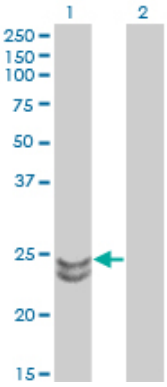
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



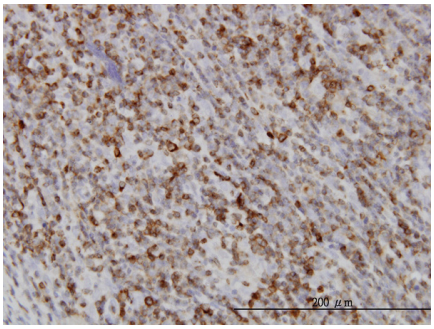
RAB27A monoclonal antibody (M02), clone 1G7 Western Blot analysis of RAB27A expression in HL-60 ((Cat # AT3518a)

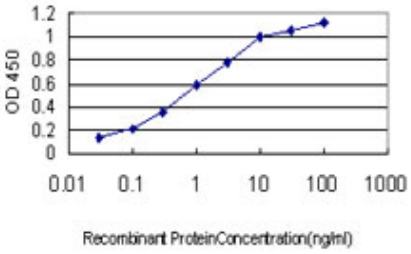


Western Blot analysis of RAB27A expression in transfected 293T cell line by RAB27A monoclonal antibody (M02), clone 1G7.

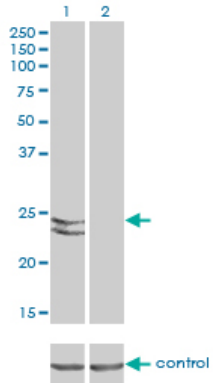
Lane 1: RAB27A transfected lysate(24.9 KDa).
Lane 2: Non-transfected lysate.

Immunoperoxidase of monoclonal antibody to RAB27A on formalin-fixed paraffin-embedded human lymphoma. [antibody concentration 3 ug/ml]





Detection limit for recombinant GST tagged RAB27A is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of RAB27A over-expressed 293 cell line, cotransfected with RAB27A Validated Chimera RNAi ((Cat # AT3518a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.