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RAB27A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RAB27A.
Catalog # AT3517a

Product Information

Application	WB, E
Primary Accession	P51159
Other Accession	NM_004580
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4C1
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 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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

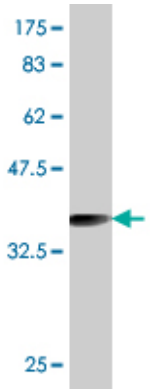
The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Mutations in this gene are associated with Griscelli syndrome type 2. Alternative splicing occurs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

References

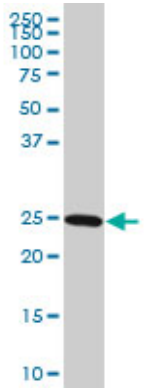
Functional characterization of two RAB27A missense mutations found in Griscelli syndrome type 2. Ohbayashi N, et al. Pigment Cell Melanoma Res, 2010 Jun. PMID 20370853.New genetic associations

detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Genome-wide analysis of chromosomal alterations in patients with esophageal squamous cell carcinoma exposed to tobacco and betel quid from high-risk area in India. Chattopadhyay I, et al. Mutat Res, 2010 Feb 2. PMID 20083228.Clinical presentation of Griscelli syndrome type 2 and spectrum of RAB27A mutations. Meeths M, et al. Pediatr Blood Cancer, 2010 Apr. PMID 19953648.Different NK cell-activating receptors preferentially recruit Rab27a or Munc13-4 to perforin-containing granules for cytotoxicity. Wood SM, et al. Blood, 2009 Nov 5. PMID 19704116.

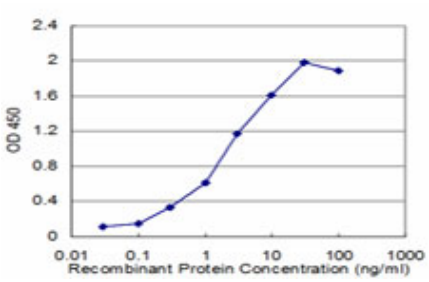
Images



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



RAB27A monoclonal antibody (M01), clone 4C1. Western Blot analysis of RAB27A expression in HL-60 ((Cat # AT3517a)



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

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