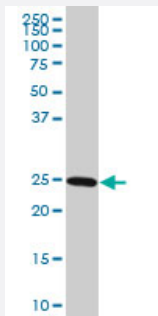


RAB27A monoclonal antibody (M01), clone 4C1

Catalog # H00005873-M01

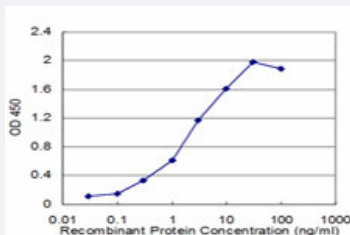
Size 100 ug

Applications



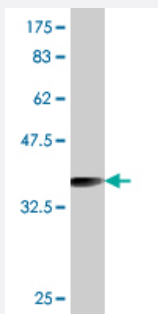
Western Blot (Cell lysate)

RAB27A monoclonal antibody (M01), clone 4C1. Western Blot analysis of RAB27A expression in HL-60 (Cat # L014V1).



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant RAB27A.

Immunogen	RAB27A (NP_004571, 122 a.a. ~ 221 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YCENPDMLCGNKSLEDQRVVKEEEAIALAEKYGIPYFETSAANGTNISQAIEMLLDLIMKRMERC VDKSWIPEGVVRSGHASTDQLSEEKEKGACGC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RAB27A monoclonal antibody (M01), clone 4C1. Western Blot analysis of RAB27A expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — RAB27A

Entrez GeneID [5873](#)

GeneBank Accession#	NM_004580
Protein Accession#	NP_004571
Gene Name	RAB27A
Gene Alias	GS2, HsT18676, MGC117246, RAB27, RAM
Gene Description	RAB27A, member RAS oncogene family
Omim ID	603868 607624
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	GTP-binding protein Ram Ras-related protein Rab-27A

Publication Reference

- [GDP-bound Rab27a regulates clathrin disassembly through HSPA8 after insulin secretion.](#)

Soshiro Kodera, Toshihide Kimura, Tomoki Nishioka, Yukiko K Kaneko, Momoka Yamaguchi, Kozo Kaibuchi, Tomohisa Ishikawa.

Archives of Biochemistry and Biophysics 2023 Nov; 749:109789.

Application: WB, Mouse, min6 cells

- [A novel P53/POMC/Gαs/SASH1 autoregulatory feedback loop activates mutated SASH1 to cause pathologic hyperpigmentation.](#)

Zhou D, Wei Z, Kuang Z, Luo H, Ma J, Zeng X, Wang K, Liu B, Gong F, Wang J, Lei S, Wang D, Zeng J, Wang T, He Y, Yuan Y, Dai H, He L, Xing Q.

Journal of Cellular and Molecular Medicine 2016 Nov; 21(4):802.

Application: IHC-P, WB, Human, Epithelial tissues from patients with dyschromatosis universalis hereditaria (DUH), NHEMs, SK-MEL-28 cells

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)

- [Lymphohistiocytosis](#)