

Product Datasheet

Rab27a Antibody (1G7) - Azide and BSA Free H00005873-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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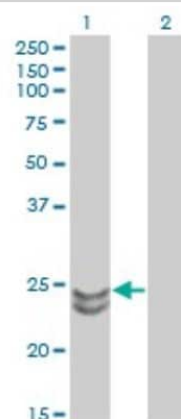
H00005873-M02

Rab27a Antibody (1G7) - Azide and BSA Free

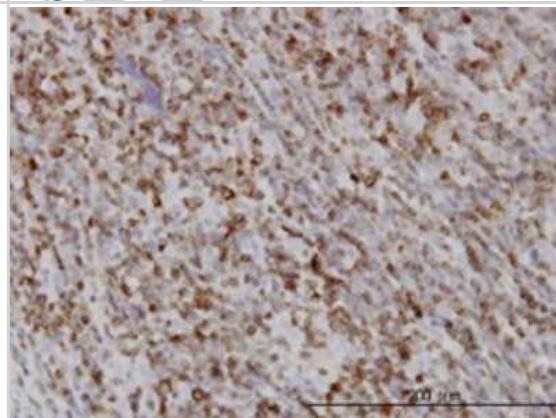
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5873
Gene Symbol	RAB27A
Species	Human, Mouse, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 21525430).
Specificity/Sensitivity	RAB27A - RAB27A, member RAS oncogene family
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. YCENPDIVLCGNKSDLEDQRRVVKKEEAIALAEKYGIPYFETSAANGTNISQAIEM LLDLIMKRMERCVDKSWIPEGVVRNNGHASTDQLSEEKEKGACGC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, Flow Cytometry, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500, Sandwich ELISA 1:100-1:2000, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P, RNAi Validation and ELISA. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 21525430).

Images

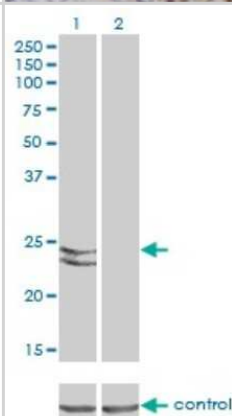
Western Blot: Rab27a Antibody (1G7) [H00005873-M02] - Analysis of RAB27A expression in transfected 293T cell line by RAB27A monoclonal antibody (M02), clone 1G7. Lane 1: RAB27A transfected lysate(24.9 KDa). Lane 2: Non-transfected lysate.



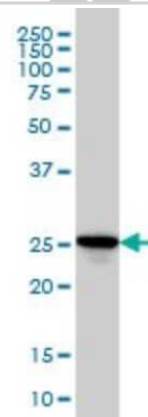
Immunohistochemistry-Paraffin: Rab27a Antibody (1G7) [H00005873-M02] - Analysis of monoclonal antibody to RAB27A on formalin-fixed paraffin-embedded human lymphoma. Antibody concentration 3 ug/ml.



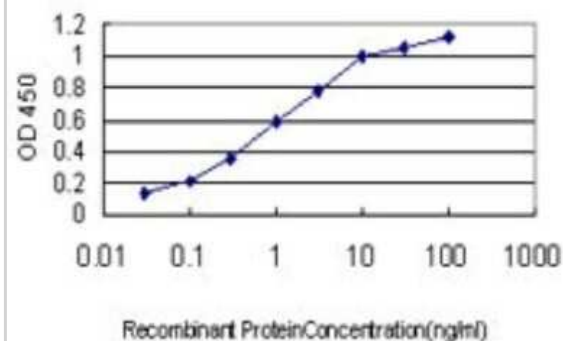
Western Blot: Rab27a Antibody (1G7) [H00005873-M02] - Analysis of RAB27A over-expressed 293 cell line, cotransfected with RAB27A Validated Chimera RNAi (Cat # H00005873-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with RAB27A monoclonal antibody (M02), clone 1G7 (Cat # H00005873-M02). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot: Rab27a Antibody (1G7) [H00005873-M02] - RAB27A monoclonal antibody (M02), clone 1G7 Analysis of RAB27A expression in HL-60.



Sandwich ELISA: Rab27a Antibody (1G7) [H00005873-M02] - Detection limit for recombinant GST tagged RAB27A is approximately 0.03ng/ml as a capture antibody.



Publications

Carolina R, Nuno B, Barbara A et al. Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. *Gut*. 2022-01-10 [PMID: 35012996]

Felicetti F, De Feo A, Coscia C et al. Exosome-mediated transfer of miR-222 is sufficient to increase tumor malignancy in melanoma. *J Transl Med* 2016-02-24 [PMID: 26912358]

Neumuller O, Hoffmeister M, Babica J et al. Synaptotagmin-like protein 1 interacts with the GTPase-activating protein Rap1GAP2 and regulates dense granule secretion in platelets. *Blood*. 2009-06-15 [PMID: 19528539]

Sanchez-Ruiz Y, Valitutti S, Dupre L. Stepwise Maturation of Lytic Granules during Differentiation and Activation of Human CD8+ T Lymphocytes. *PLoS One*. 2011-11-04 [PMID: 22073254]

Peinado H, Aleckovic M, Lavotshkin S et al. Melanoma exosomes educate bone marrow progenitor cells toward a pro-metastatic phenotype through MET. *Nat Med*. 2012-05-27 [PMID: 22635005]

Kimura T, Yamaoka M, Taniguchi S et al. Activated Cdc42-Bound IQGAP1 Determines the Cellular Endocytic Site. *Mol Cell Biol*. 2013-10-07 [PMID: 24100016]

Cetica V, Hackmann Y, Grieve S et al. Patients with Griscelli syndrome and normal pigmentation identify RAB27A mutations that selectively disrupt MUNC13-4 binding. *J Allergy Clin Immunol*. 2014-10-10 [PMID: 25312756]

Hannafon BN, Carpenter KJ, Berry WL et al. Exosome-mediated microRNA signaling from breast cancer cells is altered by the anti-angiogenesis agent docosahexaenoic acid (DHA). *Mol Cancer*. 2015-07-16 [PMID: 26178901]

Chen TC, Hsieh CH, Sarnow P. Supporting Role for GTPase Rab27a in Hepatitis C Virus RNA Replication through a Novel miR-122-Mediated Effect. *PLoS Pathog*. 2015-08-25 [PMID: 26305877]

Fang Y, Garnier D, Lee TH et al. PML-RAR α modulates the vascular signature of extracellular vesicles released by acute promyelocytic leukemia cells. *Angiogenesis*. 2015-09-15 [PMID: 26374632]

Shanmugam C, Katkooi VR, Jhala NC et al. Immunohistochemical expression of rabphilin-3A-like (Noc2) in normal and tumor tissues of human endocrine pancreas. *Biotech Histochem* 2009-04-01 [PMID: 19212825] (IHC-P, Human)

Chiang L, Ngo J, Schechter J et al. Rab27b regulates exocytosis of secretory vesicles in acinar epithelial cells from the lacrimal gland *Am J Physiol Cell Physiol* 2011-08-01 [PMID: 21525430] (WB, ICC/IF, Rabbit)

More publications at <http://www.novusbio.com/H00005873-M02>



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-44380	Recombinant Human Rab27a His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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