

Product Datasheet

MgcRacGAP/RACGAP1 Antibody (1G6) - Azide and BSA Free H00029127-M01

Unit Size: 0.1 mg

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

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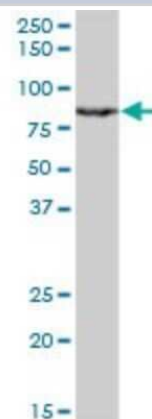
H00029127-M01

MgcRacGAP/RACGAP1 Antibody (1G6) - Azide and BSA Free

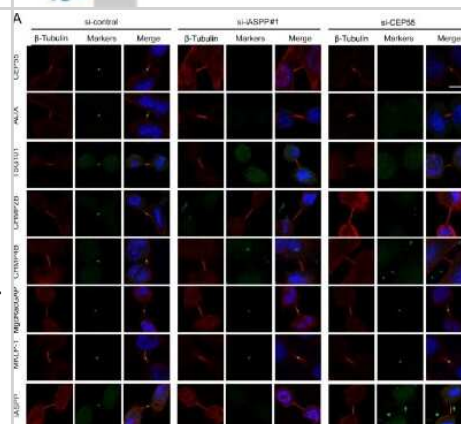
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G6
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse MgcRacGAP/RACGAP1 Antibody (1G6) - Azide and BSA Free (H00029127-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-MgcRacGAP/RACGAP1 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	29127
Gene Symbol	RACGAP1
Species	Human, Chicken
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	RACGAP1 - Rac GTPase activating protein 1
Immunogen	RACGAP1 (AAH32754, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MDTMMLNVRNLFQQLVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRDHELKGYKDLLMKAETERSALDVKCLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCD
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen
Application Notes	Antibody reactive against cell lysate and recombinant protein for western blot.

Images

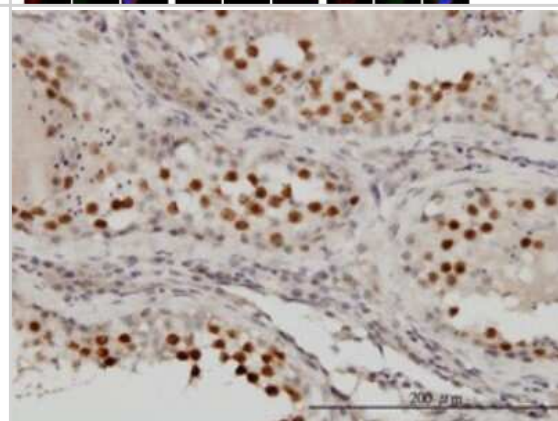
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - RACGAP1 monoclonal antibody (M01), clone 1G6. Analysis of RACGAP1 expression in Jurkat.



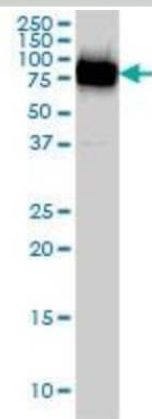
Immunocytochemistry/Immunofluorescence: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - iASPP-dependent localization of midbody markers. a Localization of midbody markers in control, iASPP-depleted, or CEP55-depleted HeLa cells. HeLa cells were transfected with indicated siRNAs. After 48h, cells were immunostained for midbody markers (green), Beta-tubulin (red), and DNA (blue). b Quantification of proportions of cells from a displaying defects in localization of markers at the midbody Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41419-018-0561-6>) licensed under a CC-BY license.



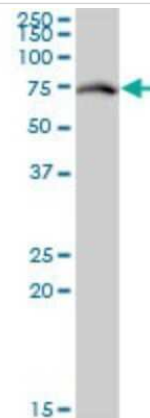
Immunohistochemistry-Paraffin: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Analysis of monoclonal antibody to RACGAP1 on formalin-fixed paraffin-embedded human testis. Antibody concentration 1 ug/ml.



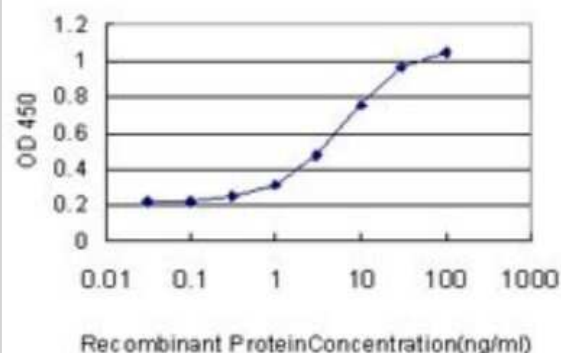
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Western Blot analysis of RACGAP1 expression in K-562 (Cat # L009V1).



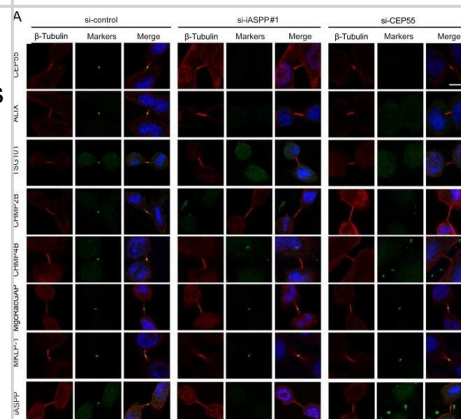
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - RACGAP1 monoclonal antibody (M01), clone 1G6. Analysis of RACGAP1 expression in 293.



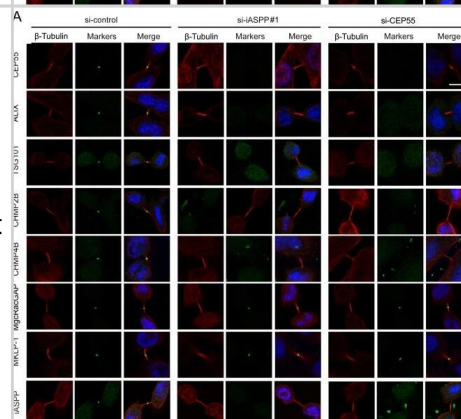
ELISA: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Detection limit for recombinant GST tagged RACGAP1 is approximately 0.3ng/ml as a capture antibody.



iASPP-dependent localization of midbody markers. a Localization of midbody markers in control, iASPP-depleted, or CEP55-depleted HeLa cells. HeLa cells were transfected with indicated siRNAs. After 48 h, cells were immunostained for midbody markers (green), β -tubulin (red), and DNA (blue). b Quantification of proportions of cells from a displaying defects in localization of markers at the midbody



Immunocytochemistry/ Immunofluorescence: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - iASPP-dependent localization of midbody markers. a Localization of midbody markers in control, iASPP-depleted, or CEP55-depleted HeLa cells. HeLa cells were transfected with indicated siRNAs. After 48 h, cells were immunostained for midbody markers (green), β -tubulin (red), & DNA (blue). b Quantification of proportions of cells from a displaying defects in localization of markers at the midbody Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/29743530>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yang XM, Cao XY, He P et al. Overexpression of Rac GTPase activating Protein 1 Contributes to Proliferation of Cancer Cells by Reducing Hippo Signaling to Promote Cytokinesis. *Gastroenterology*. 2018-07-12 [PMID: 30009820] (WB, Human)

Gao K, Zhang Y, Shi Q et al. iASPP-PP1 complex is required for cytokinetic abscission by controlling CEP55 dephosphorylation *Cell Death Dis* 2018-05-09 [PMID: 29743530] (Human)

Mi S, Lin M, Brouwer-Visser J et al. RNA-seq identification of RACGAP1 as a metastatic driver in uterine carcinosarcoma. *Clin Cancer Res* 2016-04-27 [PMID: 27121792]

Lawson CD, Fan C, Mitin N et al. Rho GTPase Transcriptome Analysis Reveals Oncogenic Roles for Rho GTPase-Activating Proteins in Basal-like Breast Cancers. *Cancer Res* 2016-07-01 [PMID: 27216196]

Wolfe BA, Takaki T, Petronczki M, Glotzer M. Polo-Like Kinase 1 Directs Assembly of the HsCyk-4 RhoGAP/Ect2 RhoGEF Complex to Initiate Cleavage Furrow Formation. *PLoS Biol*. 2009-05-05 [PMID: 19468300]

Burkard ME, Maciejowski J, Rodriguez-Bravo V et al. Plk1 self-organization and priming phosphorylation of HsCYK-4 at the spindle midzone regulate the onset of division in human cells. *PLoS Biol*. 2009-05-05 [PMID: 19468302]

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Lekomtsev S, Su KC, Pye VE et al. Centralspindlin links the mitotic spindle to the plasma membrane during cytokinesis. *Nature*. 2012-11-09 [PMID: 23235882]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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