

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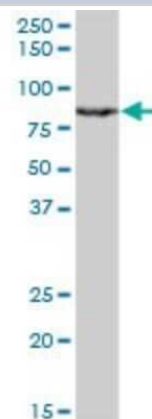
H00029127-M01**MgcRacGAP/RACGAP1 Antibody (1G6) - Azide and BSA Free**

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. MDTMMLNVRNLFQQLVRRVEILSEGNEVQFIQLAKDFEDFRKKWQRTDHELKGYKDLLMKAETERSALDVKLKHARNQVDVEIKRRQRAEADCEKLERQIQLIREMLMCD
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.

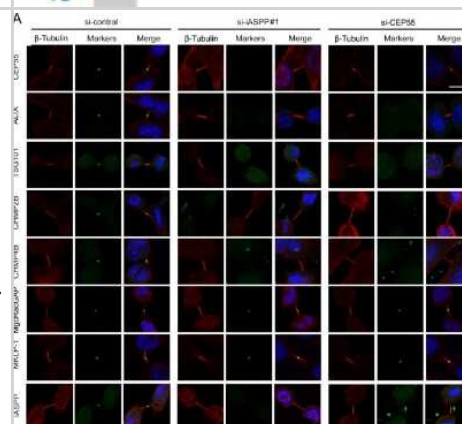


Images

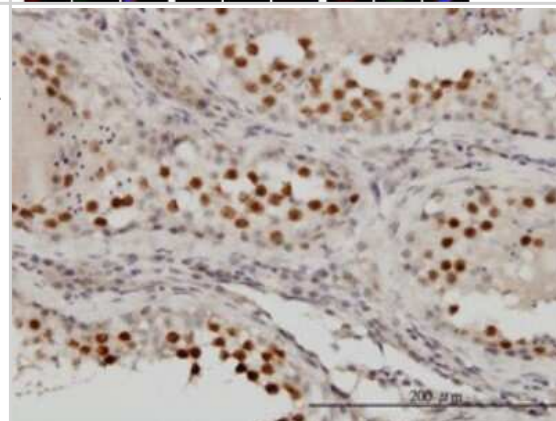
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - RACGAP1 monoclonal antibody (M01), clone 1G6. Analysis of RACGAP1 expression in Jurkat.



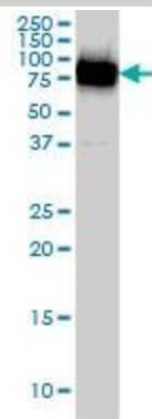
Immunocytochemistry/Immunofluorescence: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - iASPP-dependent localization of midbody markers. a Localization of midbody markers in control, iASPP-depleted, or CEP55-depleted HeLa cells. HeLa cells were transfected with indicated siRNAs. After 48h, cells were 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.



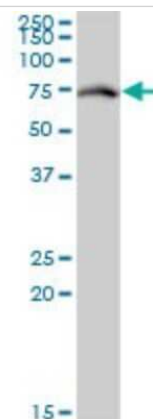
Immunohistochemistry-Paraffin: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Analysis of monoclonal antibody to RACGAP1 on formalin-fixed paraffin-embedded human testis. Antibody concentration 1 ug/ml.



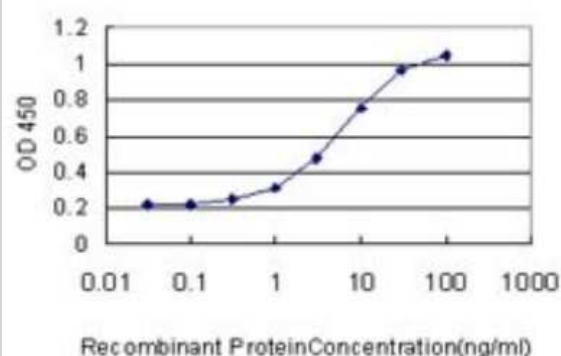
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Western Blot analysis of RACGAP1 expression in K-562 (Cat # L009V1).



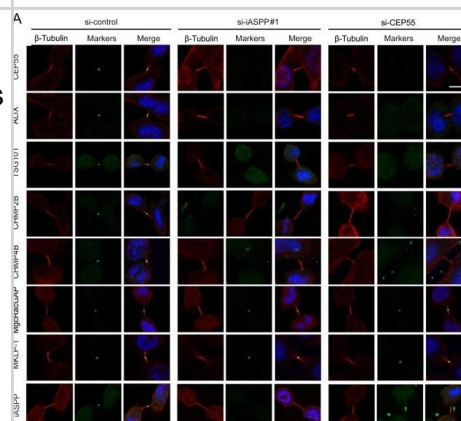
Western Blot: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - RACGAP1 monoclonal antibody (M01), clone 1G6. Analysis of RACGAP1 expression in 293.



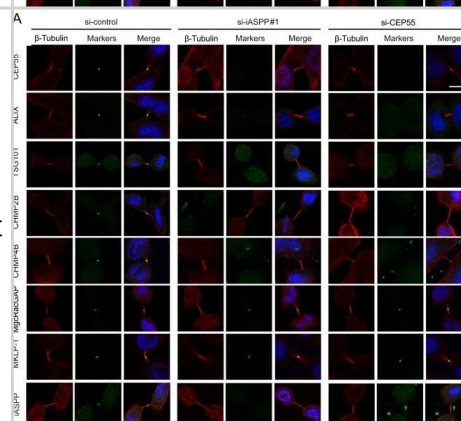
ELISA: MgcRacGAP/RACGAP1 Antibody (1G6) [H00029127-M01] - Detection limit for recombinant GST tagged RACGAP1 is approximately 0.3ng/ml as a capture antibody.



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]
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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-55429PEP	MgcRacGAP/RACGAP1 Recombinant Protein Antigen

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