

# Product Datasheet

## MgcRacGAP/RACGAP1 Antibody

### NB100-884

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-884****MgcRacGAP/RACGAP1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

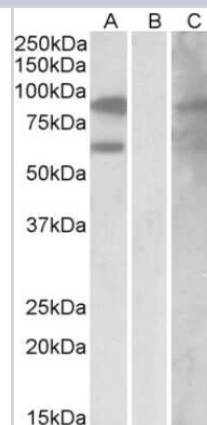
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	29127
<b>Gene Symbol</b>	RACGAP1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Reported variants represent identical protein: NP_037409.2, NP_001119576.1 and NP_001119575.1.
<b>Immunogen</b>	Peptide with sequence C-GRQGNFFASPMLK corresponding to C-Terminus according to NP_037409.2, NP_001119576.1, NP_001119575.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 1-3 ug/ml, Flow Cytometry 10 ug/ml, Immunohistochemistry 1 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 1 ug/ml, Peptide ELISA detection limit 1:32000
<b>Application Notes</b>	WB: Approx. 75 kDa band observed in K562 lysates and Jurkat (calculated MW of 71 kDa band according to NP_037409). IHC-P: Human testis show nuclear staining of many cells. Data obtained from a previous batch (different goat). Use in ICC/IF was reported in scientific literature (PMID: 31653703).

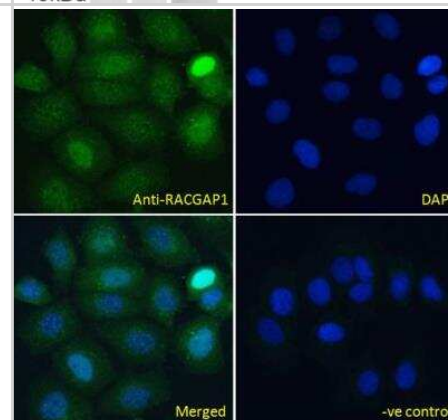


## Images

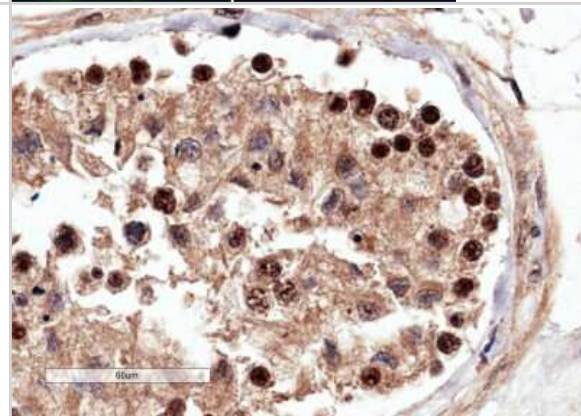
Western Blot: MgcRacGAP/RACGAP1 Antibody [NB100-884] - (10ug protein in RIPA buffer) overexpressing Human RACGAP1 with DYKDDDDK tag probed with EB05315 (0.5ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/500) in lane C. Mock-transfected HEK293 probed with EB05315 (1mg/ml) in Lane B. Prima



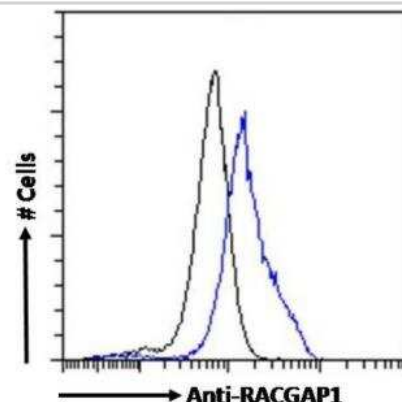
Immunocytochemistry/Immunofluorescence: MgcRacGAP/RACGAP1 Antibody [NB100-884] - MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Immunohistochemistry-Paraffin: MgcRacGAP/RACGAP1 Antibody [NB100-884] - (4ug/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



Flow Cytometry: MgcRacGAP/RACGAP1 Antibody [NB100-884] - MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



## Publications

Renshaw MJ, Panagiotou TC, Lavoie BD et al. CDK11p58-Cyclin L1 beta regulates abscission site assembly J. Biol. Chem. 2019-10-25 [PMID: 31653703] (ICC/IF, Human)

Reibel L, Dorseuil O, Stancou R et al. A hemopoietic specific gene encoding a small GTP binding protein is overexpressed during T cell activation. Biochem Biophys Res Commun 1991-03-15 [PMID: 1902092]





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### **Products Related to NB100-884**

NBL1-15108	MgcRacGAP/RACGAP1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **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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