

# Product Datasheet

## RAPGEF2 Antibody - BSA Free NBP1-06549

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 3

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**NBP1-06549**

RAPGEF2 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

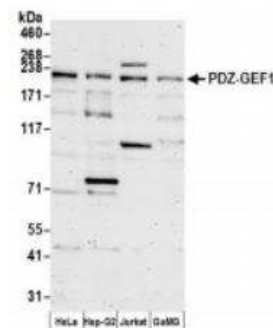
Product Description	
Description	Novus Biologicals Rabbit RAPGEF2 Antibody - BSA Free (NBP1-06549) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-RAPGEF2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9693
Gene Symbol	RAPGEF2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 975 and 1025 of human PDZ domain containing guanine nucleotide exchange factor (GEF) 1 (NP_055062.1).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Immunohistochemistry, Immunoprecipitation 2 - 10 ug/mg lysate, Immunohistochemistry-Paraffin 1:1000 - 1:5000
Application Notes	Epitope retrieval with citrate buffer pH6.0 or Tris-EDTA pH9.0 is recommended for FFPE tissue sections.



## Images

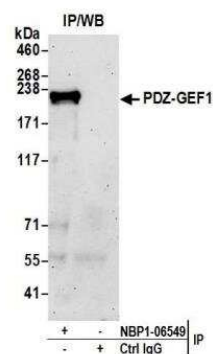
Western Blot: RAPGEF2 Antibody [NBP1-06549] - Whole cell lysate (50 ug) from HeLa, Hep-G2, Jurkat, and GaMG cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PDZ-GEF1 antibody used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: RAPGEF2 Antibody [NBP1-06549] - Human ovarian carcinoma. Antibody: Affinity purified rabbit anti- PDZ-GEF1 used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



Immunoprecipitation: RAPGEF2 Antibody [NBP1-06549] - Detection of human PDZ-GEF1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PDZ-GEF1 antibody NBP1-06549 used for IP at 6 ug per reaction. For blotting immunoprecipitated PDZ-GEF1, NBP1-06549 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Li Y, Dillon TJ, Takahashi M et al. PKA-independent Ras activation cooperates with Rap1 to mediate activation of ERKs by cAMP. *J. Biol. Chem.* 2016-08-16 [PMID: 27531745] (WB, Human)

Zhang H, Nie W, Zhang X et al. NEDD4-1 Regulates Migration and Invasion of Glioma Cells through CNrasGEF Ubiquitination In Vitro. *PLoS One* 2013-12-10 [PMID: 24340059] (WB, Human)

Emery AC, Eiden MV, Mustafa T, Eiden LE. Rapgef2 Connects GPCR-Mediated cAMP Signals to ERK Activation in Neuronal and Endocrine Cells. *Sci Signal* 2013-06-25 [PMID: 23800469]



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### **Products Related to NBP1-06549**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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