

Rabbit anti-Human PDZ-GEF1 Polyclonal Antibody | anti-PDZ-GEF1 antibody

Rabbit anti-PDZ-GEF1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211700	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PDZ-GEF1; Polyclonal Antibody; Rabbit anti-PDZ-GEF1 Antibody; Affinity Purified; RAGEF; RA-GEF; RA-GEF-1; Rap guanine nucleotide exchange factor (GEF) 2; rap guanine nucleotide exchange factor 2; Rap-GEF; RA(Ras/Rap1A-associating)-GEF; neural RAP guanine nucleotide exchange protein; ras/Rap1-associating GEF-1; PDZGEF1; PDZ domain-containing guanine nucleotide exchange factor 1; PDZ domain containing guanine nucleotide exchange factor (GEF) 1; CNrasGEF; nRap GEF; cyclic nucleotide ras GEF; NRAPGEF; Rap guanine nucleotide exchange factor 2; anti-PDZ-GEF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PDZ-GEF1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Dog
Immunogen	Between 1000 and 1050
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PDZ-GEF1 by western blot. Samples: 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 AAA211700 (lot AAA211700-4) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

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 AAA211700 (lot AAA211700-4) used for IP at 6 ug per reaction. For blotting immunoprecipitated PDZ-GEF1, AAA211700 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human PDZ-GEF1 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-PDZ-GEF1 (Cat. No. AAA211700 lot 4) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PDZ-GEF1 antibody	PDZ-GEF1 is a guanine nucleotide exchange factor (GEF) for Rap GTPases. It contains one PDZ-signaling domain, a Ras-association (RA) domain, and a region related to a cyclic nucleotide binding domain (RCBD). PDZ-GEF1 functions to catalyze the exchange of GDP for GTP and activate Rap1A, Rap1B, and Rap2B GTPase activity.
Product Categories/Family for anti-PDZ-GEF1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657261
NCBI GeneID	9693
NCBI Accession #	NP_055062.1
NCBI GenBank Nucleotide #	NM_014247.2
UniProt Accession #	Q9Y4G8; D3DP27
Molecular Weight	167,417 Da
NCBI Official Full Name	rap guanine nucleotide exchange factor 2
NCBI Official Synonym Full Names	Rap guanine nucleotide exchange factor (GEF) 2
NCBI Official Symbol	RAPGEF2
NCBI Official Synonym Symbols	RA-GEF; NRAPGEP; PDZGEF1; Rap-GEP; CNrasGEF; PDZ-GEF1; RA-GEF-1; nRap GEP
NCBI Protein Information	rap guanine nucleotide exchange factor 2; cyclic nucleotide ras GEF; ras/Rap1-associating GEF-1; RA(Ras/Rap1A-associating)-GEF; neural RAP guanine nucleotide exchange protein; PDZ domain-containing guanine nucleotide exchange factor 1; PDZ domain containi
UniProt Protein Name	Rap guanine nucleotide exchange factor 2
UniProt Gene Name	RAPGEF2
UniProt Synonym Gene Names	KIAA0313; NRAPGEP; PDZGEF1; CNrasGEF; nRap GEP; PDZ-GEF1
UniProt Entry Name	RPGF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdz-gef1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211700>