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

Rabbit anti-PDZ-RhoGEF Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211695	**Rabbit**	**Human**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

PDZ-RhoGEF; Polyclonal Antibody; Rabbit anti-PDZ-RhoGEF Antibody; Affinity Purified; rho guanine nucleotide exchange factor 11; RhoA-specific guanine nucleotide exchange factor; Rho guanine nucleotide exchange factor (GEF) 11; Rho guanine exchange factor (GEF) 11; PDZ-RHOGEF; GTRAP48; glutamate transporter EAAT4-associated protein 48; RhoGEF glutamate transport modulator; Rho guanine nucleotide exchange factor 11; anti-PDZ-RhoGEF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-PDZ-RhoGEF antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1472 and C-terminus
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-RhoGEF by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-PDZ-RhoGEF antibody AAA211695 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. PDZ-RhoGEF was also immunoprecipitated by rabbit anti-PDZ-RhoGEF antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).

IHC (Immunohistochemistry)
Detection of human PDZ-RhoGEF by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-PDZ-RhoGEF (Cat. No. AAA211695 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PDZ-RhoGEF antibody	PDZ-RhoGEF. (PDZ domain-containing Rho guanine nucleotide exchange factor) catalyzes the exchange of GDP for GTP on the GTPase, Rho, to activate downstream signaling pathways. It contains a PDZ [post synaptic density protein (PSD95), Drosophila dis large tumor suppressor (DIgA), and zonula occludens-1 protein (zo-1)] domain which is an 80-90 amino acid structural domain found in signaling proteins in bacteria, yeast, plants, and animals. PDZ-RhoGEF has been shown to be important to cell migration and the regulation of adhesion movement and trailing edge retraction.

Product Categories/Family for anti-PDZ-RhoGEF antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662086
NCBI GeneID	9826
NCBI Accession #	NP_055599.1
NCBI GenBank Nucleotide #	NM_014784.3
UniProt Accession #	O15085; Q5VY40; Q6PFW2; D3DVD0
Molecular Weight	167,704 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 11 isoform 1
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor (GEF) 11
NCBI Official Symbol	ARHGEF11
NCBI Official Synonym Symbols	GTRAP48; PDZ-RHOGEF
NCBI Protein Information	rho guanine nucleotide exchange factor 11; Rho guanine exchange factor (GEF) 11; RhoGEF glutamate transport modulator; RhoA-specific guanine nucleotide exchange factor; glutamate transporter EAAT4-associated protein 48
UniProt Protein Name	Rho guanine nucleotide exchange factor 11
UniProt Gene Name	**ARHGEF11**
UniProt Synonym Gene Names	KIAA0380
UniProt Entry Name	ARHGB_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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