

Rabbit CdGAP Polyclonal Antibody | anti-CdGAP antibody

Phospho-CdGAP (Thr789) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329792	Rabbit	Human, Mouse, Rat Predicted Reactivity: Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%)	ELISA, Immunohistochemistry, Western Blot

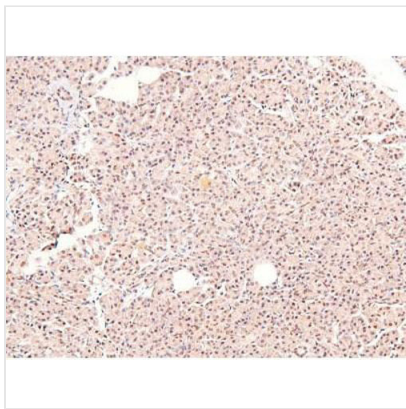
PRODUCT SYNONYMS

CdGAP; Polyclonal Antibody; Phospho-CdGAP (Thr789) Antibody; ARHGAP31; Cdc42 GTPase-activating protein; RHG31_HUMAN; Rho GTPase-activating protein 31; anti-CdGAP antibody

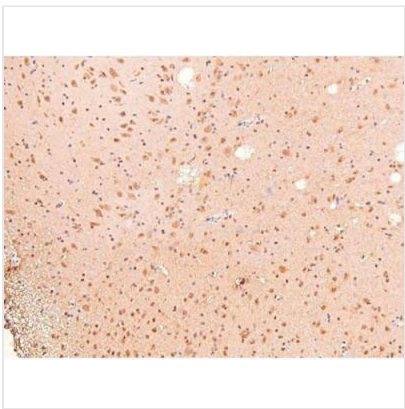
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-CdGAP (Thr789) Antibody detects endogenous levels of CdGAP only when phosphorylated at Thr789.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CdGAP antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CdGAP around the phosphorylation site of Thr789.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation on Thr-789 reduces GAP activity.
Subunit Structure	Interacts with ITSN1, which inhibits GAP activity. Interacts with PARVA (By similarity). Interacts with GTP-loaded RHOU.
Subcellular Location	Cell projection>Lamellipodium. Cell junction>Focal adhesion.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



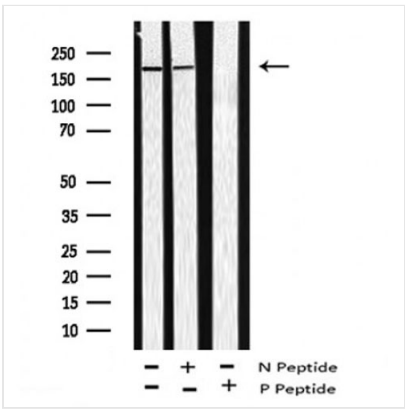
IHC (Immunohistochemistry)
At 1/200 staining Human pancreas tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
Staining Rat ganstric tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of CdGAP (Phospho-Thr789) Antibody expression in Insulin treated Hela cells lysates. -/+ means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-CdGAP antibody	Functions as a GTPase-activating protein (GAP) for RAC1 and CDC42. Required for cell spreading, polarized lamellipodia formation and cell migration.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	186928844
NCBI GeneID	57514
NCBI Accession #	NP_065805.2
NCBI GenBank Nucleotide #	NM_020754.2
UniProt Accession #	Q2M1Z3; Q9ULL6
Molecular Weight	156,985 Da
NCBI Official Full Name	rho GTPase-activating protein 31
NCBI Official Synonym Full Names	Rho GTPase activating protein 31
NCBI Official Symbol	ARHGAP31

NCBI Official Synonym Symbols	AOS1; CDGAP
NCBI Protein Information	rho GTPase-activating protein 31; Cdc42 GTPase-activating protein
UniProt Protein Name	Rho GTPase-activating protein 31
UniProt Gene Name	ARHGAP31
UniProt Synonym Gene Names	CDGAP; KIAA1204

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdgap-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329792>