

Rabbit ARHGAP10 Polyclonal Antibody | anti-ARHGAP10 antibody

ARHGAP10 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285039	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ARHGAP10; Polyclonal Antibody; ARHGAP10 Antibody (Center); Rho GTPase-activating protein 10; GTPase regulator associated with focal adhesion kinase 2; Graf-related protein 2; Rho-type GTPase-activating protein 10; GRAF2; anti-ARHGAP10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARHGAP10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-263 amino acids from the Central region of human ARHGAP10.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	237-263
Sequence Length	786
Applicable Applications for anti-ARHGAP10 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ARHGAP10 Antibody (Center) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

ARHGAP10 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ARHGAP10 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

ARHGAP10 Antibody (Center) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the ARHGAP10 antibody detected the ARHGAP10 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGAP10 antibody	GTPase activator for the small GTPases RhoA and Cdc42 by converting them to an inactive GDP-bound state. Essential for PTKB2 regulation of cytoskeletal organization via Rho family GTPases. Inhibits PAK2 proteolytic fragment PAK-2p34 kinase activity and changes its localization from the nucleus to the perinuclear region. Stabilizes PAK-2p34 thereby increasing stimulation of cell death (By similarity).
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Azzato, E.M., et al. Cancer Epidemiol. Biomarkers Prev. 19(4):1140-1143(2010) Lind, P.A., et al. Twin Res Hum Genet 13(1):10-29(2010) Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010) Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50843948
NCBI GeneID	79658
NCBI Accession #	NP_078881.3
NCBI GenBank Nucleotide #	NM_024605.3
UniProt Accession #	A1A4S6; Q2VPC4; Q2VPC5; Q96EV3; Q96S75; A1L0S5
Molecular Weight	89375
NCBI Official Full Name	rho GTPase-activating protein 10
NCBI Official Synonym Full Names	Rho GTPase activating protein 10
NCBI Official Symbol	ARHGAP10
NCBI Official Synonym Symbols	GRAF2; PSGAP; PS-GAP
NCBI Protein Information	rho GTPase-activating protein 10
UniProt Protein Name	Rho GTPase-activating protein 10
UniProt Gene Name	ARHGAP10
UniProt Synonym Gene Names	GRAF2
UniProt Entry Name	RHG10_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.