

Rabbit Phospho-ARHGAP35 (Y1105) Polyclonal Antibody | anti-ARHGAP35 antibody

Phospho-ARHGAP35 (Y1105) antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286816	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

Phospho-ARHGAP35 (Y1105); Polyclonal Antibody; Phospho-ARHGAP35 (Y1105) antibody; Rho GTPase-activating protein 35; Glucocorticoid receptor DNA-binding factor 1; Glucocorticoid receptor repression factor 1; GRF-1; Rho GAP p190A; p190-A; ARHGAP35; GRF1; GRLF1; KIAA1722; anti-ARHGAP35 antibody

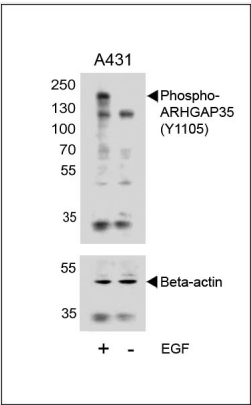
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1090-1135 amino acids from human.
Purity/Purification	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 Length	1,499
Applicable Applications for anti-ARHGAP35 antibody	ELISA, WB (Western Blot)
Clone Names	RB46920
Antigen Source	HUMAN
Function	Rho GTPase-activating protein (GAP), binds several acidic phospholipids which inhibits the Rho GAP activity to promote the Rac GAP activity (PubMed:). This binding is inhibited by phosphorylation by PRKCA (PubMed:). Involved in cell differentiation as well as cell adhesion and migration, plays an important role in retinal tissue morphogenesis, neural tube fusion, midline fusion of the cerebral hemispheres and mammary gland branching morphogenesis (By similarity). Transduces signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP) (By similarity). Transduces SRC-dependent signal from cell-surface adhesion molecules, such as laminin, to promote neurite outgrowth. Regulates axon outgrowth, guidance and fasciculation (By similarity). Modulates Rho GTPase-dependent F- actin polymerization, organization and assembly, is involved in polarized cell migration and in the positive regulation of ciliogenesis and cilia elongation (By similarity). During mammary gland development, is required in both the epithelial and stromal compartments for ductal outgrowth (By similarity). Represses transcription of the glucocorticoid receptor by binding to the cis-acting regulatory sequence 5'-GAGAAAAGAACTGGAGAACTC-3'; this function is however unclear and would need additional experimental evidences (PubMed:).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q91YM2}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250 UniProtKB:Q91YM2}. Cell membrane {ECO:0000250 UniProtKB:Q91YM2}. Nucleus. Note=In response to integrins and SDC4 and upon phosphorylation by PKC, relocates from the cytoplasm to regions of plasma membrane ruffling where it colocalizes with polymerized actin {ECO:0000250 UniProtKB:Q91YM2}
Tissue Location	Detected in neutrophils (at protein level)

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



WB (Western Blot)
Western blot analysis of lysates from A431 cell line, untreated or treated with EGF, 100ng/ml, using Phospho-HUMAN-ARHGAP35(Y1105) (upper) or Beta-actin (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGAP35 antibody	Represses transcription of the glucocorticoid receptor by binding to the cis-acting regulatory sequence 5'-GAGAAAAGAACTGGAGAACTC-3'. May participate in the regulation of retinal development and degeneration. May transduce signals from p21-ras to the nucleus, acting via the ras GTPase-activating protein (GAP). May also act as a tumor suppressor.
Product Categories/Family for anti-ARHGAP35 antibody	Phospho Antibodies
References	Nagase T.,et al.DNA Res. 7:347-355(2000). Nakajima D.,et al.DNA Res. 9:99-106(2002). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Tikoo A.,et al.Gene 257:23-31(2000). LeClerc S.,et al.J. Biol. Chem. 266:17333-17340(1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	150417981
NCBI GeneID	2909
NCBI Accession #	NP_004482.4
NCBI GenBank Nucleotide #	NM_004491.4
UniProt Accession #	Q9NRY4; Q14452; Q9C0E1; A7E2A4
Molecular Weight	170514
NCBI Official Full Name	rho GTPase-activating protein 35
NCBI Official Synonym Full Names	Rho GTPase activating protein 35
NCBI Official Symbol	ARHGAP35
NCBI Official Synonym Symbols	GRF-1; GRLF1; P190A; P190-A; p190RhoGAP; p190ARhoGAP
NCBI Protein Information	rho GTPase-activating protein 35
UniProt Protein Name	Rho GTPase-activating protein 35

UniProt Gene Name	ARHGAP35
UniProt Synonym Gene Names	GRF1; GRLF1; KIAA1722; GRF-1; p190-A
UniProt Entry Name	RHG35_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/phospho-arhgap35-y1105-antibody-western-blot-elisa/286816>