

DATASHEET

ARHGAP44 Rabbit Polyclonal Antibody

CAT. NO. APA13318

KEY FEATURES

Target	ARHGAP44	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

GTPase-activating protein (GAP) that stimulates the GTPase activity of Rho-type GTPases. Thereby, controls Rho-type GTPases cycling between their active GTP-bound and inactive GDP-bound states. Acts as a GAP at least for CDC42 and RAC1 that stimulates the GTPase activity of Rho-type GTPases. Thereby, controls Rho-type GTPases cycling between their active GTP-bound and inactive GDP-bound states. Acts as a GAP at least for CDC42 and RAC1 . In neurons, is involved in dendritic spine formation and synaptic plasticity in a specific RAC1-GAP activity . Limits the initiation of exploratory dendritic filopodia. Recruited to actin-patches that seed filopodia, binds specifically to plasma membrane sections that are deformed inward by acto-myosin mediated contractile forces.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

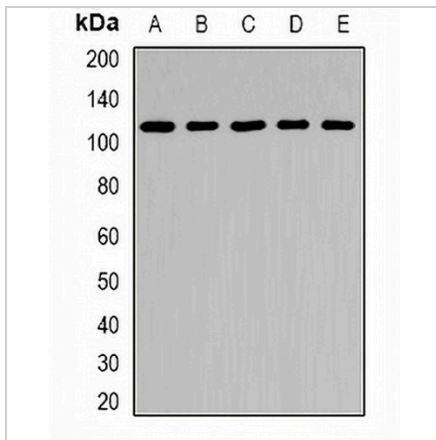
Description	Rabbit polyclonal antibody to ARHGAP44
Specificity	Recognizes endogenous levels of ARHGAP44 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ARHGAP44
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 83; Observed: 110 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0672; RICH2; Rho GTPase-activating protein 44; NPC-A-10; Rho-type GTPase-activating protein RICH2; RhoGAP interacting with CIP4 homologs protein 2; RICH-2
Gene Symbol	ARHGAP44
Entrez Gene	9912(Human)
SwissProt	Q17R89(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ARHGAP44 expression in MCF7 (A), 293T (B), mouse heart (C), mouse lung (D), rat brain (E) whole cell lysates. (Predicted band size: 83; 88; 89 kD; Observed band size: 110 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.