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ARHGAP22 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13013b

Product Information

Application	WB, E
Primary Accession	Q7Z5H3
Other Accession	NP_067049.2
Reactivity	Human
Predicted	Mouse, Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32754
Calculated MW	76779
Antigen Region	604-633

Additional Information

Gene ID	58504
Other Names	Rho GTPase-activating protein 22, Rho-type GTPase-activating protein 22, ARHGAP22, RHOGAP2
Target/Specificity	This ARHGAP22 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 604-633 amino acids from the C-terminal region of human ARHGAP22.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ARHGAP22 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARHGAP22
Synonyms	RHOGAP2

Function	Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1- dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter (By similarity).
Cellular Location	Cytoplasm. Nucleus. Note=Mainly cytoplasmic. Some fraction is nuclear (By similarity)

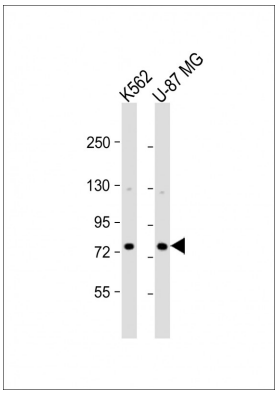
Background

ARHGAPs, such as ARHGAP22, encode negative regulators of Rho GTPases (see ARHA; MIM 165390), which are implicated in actin remodeling, cell polarity, and cell migration (Katoh and Katoh, 2004 [PubMed 15254788]).

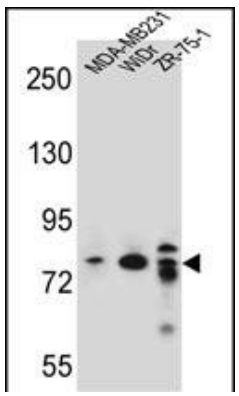
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Dick, D.M., et al. Mol. Psychiatry (2010) In press :
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Katoh, M., et al. Int. J. Mol. Med. 14(2):333-338(2004)

Images



All lanes : Anti-ARHGAP22 Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 77 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ARHGAP22 Antibody (C-term) (Cat. #AP13013b) western blot analysis in MDA-MB231,WiDr,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ARHGAP22 antibody detected the ARHGAP22 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.