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anti-ARHGEF18 antibody (C-Term)



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Publications



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Overview

Quantity:	100 μg
Target:	ARHGEF18
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ARHGEF18 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	P114-RHO-GEF / ARHGEF18
Immunogen:	Peptide with sequence C-SAKEDASKEDVIFF, from the C Terminus of the protein sequence according to NP_056133.2, NP_001124427.1.
Sequence:	SAKEDASKED VIFF
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_056133.2, NP_001124427.1).
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details Grade: Verified **Target Details** Target: ARHGEF18 ARHGEF18 (ARHGEF18 Products) Alternative Name Background: ARHGEF18, Rho/Rac guanine nucleotide exchange factor (GEF) 18, P114-RHO-GEF, KIAA0521, MGC15913, Rho-specific guanine nucleotide exchange factor p114, P114-RhoGEF, Rho/Rac quanine nucleotide exchange factor 18 Gene ID: 23370 NCBI Accession: NP_056133, NP_001124427 Pathways: Neurotrophin Signaling Pathway **Application Details** Application Notes: Western Blot: Approx 140+90 kDa band observed in lysates of cell line Daudi and Caco-2 (calculated MW of 114 kDa according to NP_056133.2 and 131 kDa accoeding to NP_001124427.1). Recommended concentration: 1-3 µg/mL. Primary incubation was 1 hour. This anti Peptide ELISA: antibody detection limit dilution 1:128000. Comment: Immunofluorescence: This antibody has been successfully used in IF on Human, PMID: 36404918. For Research Use only Restrictions: Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Sodium azide Preservative: Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:

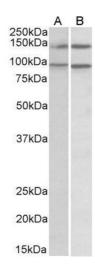
Zaritsky, Tseng, Rabadán, Krishna, Overholtzer, Danuser, Hall: "Diverse roles of guanine nucleotide exchange factors in regulating collective cell migration." in: **The Journal of cell biology**, Vol. 216, Issue 6, pp. 1543-1556, (2017) (PubMed).

Herder, Swiercz, Müller, Peravali, Quiring, Offermanns, Wittbrodt, Loosli: "ArhGEF18 regulates RhoA-Rock2 signaling to maintain neuro-epithelial apico-basal polarity and proliferation." in: **Development (Cambridge, England)**, Vol. 140, Issue 13, pp. 2787-97, (2013) (PubMed).

Terry, Elbediwy, Zihni, Harris, Bailly, Charras, Balda, Matter: "Stimulation of cortical myosin phosphorylation by p114RhoGEF drives cell migration and tumor cell invasion." in: **PLoS ONE**, Vol. 7, Issue 11, pp. e50188, (2012) (PubMed).

Terry, Zihni, Elbediwy, Vitiello, Leefa Chong San, Balda, Matter: "Spatially restricted activation of RhoA signalling at epithelial junctions by p114RhoGEF drives junction formation and morphogenesis." in: **Nature cell biology**, Vol. 13, Issue 2, pp. 159-66, (2011) (PubMed).

Images



Western Blotting

Image 1. ABIN185123 (0.5μg/ml) staining of lysates of cell lines Daudi (A) and Caco-2 (B) (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.