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Datasheet for ABIN7167978

**anti-ARHGEF18 antibody (AA 159-551) (HRP)**

## Overview

Quantity:	100 µg
Target:	ARHGEF18
Binding Specificity:	AA 159-551
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARHGEF18 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Rho guanine nucleotide exchange factor 18 protein (159-551AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ARHGEF18
Alternative Name:	ARHGEF18 ( <a href="#">ARHGEF18 Products</a> )
Background:	Background: Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPases. Its activation induces formation of actin stress fibers. Also act as a GEF for RAC1, inducing

## Target Details

production of reactive oxygen species (ROS). Does not act as a GEF for CDC42. The G protein beta-gamma (Gbetagamma) subunits of heterotrimeric G proteins act as activators, explaining the integrated effects of LPA and other G-protein coupled receptor agonists on actin stress fiber formation, cell shape change and ROS production. Required for EPB41L4B-mediated regulation of the circumferential actomyosin belt in epithelial cells (PubMed:22006950).

Aliases: 114 kDa Rho specific guanine nucleotide exchange factor antibody, 114 kDa Rho-specific guanine nucleotide exchange factor antibody, ARHGEF 18 antibody, Arhgef18 antibody, ARHGL\_HUMAN antibody, KIAA0521 antibody, MGC15913 antibody, p114 Rho GEF antibody, p114-Rho-GEF antibody, p114RhoGEF antibody, Rho guanine nucleotide exchange factor 18 antibody, Rho specific guanine nucleotide exchange factor p114 antibody, Rho/Rac guanine nucleotide exchange factor (GEF) 18 antibody, Rho/Rac guanine nucleotide exchange factor 18 antibody, SA RhoGEF antibody, SA-RhoGEF antibody, Septin associated RhoGEF antibody, Septin-associated RhoGEF antibody

UniProt: [Q6ZSZ5](#)

Pathways: [Neurotrophin Signaling Pathway](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.