

Datasheet for ABIN6137082

**anti-ARHGAP44 antibody (AA 666-772)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	ARHGAP44
Binding Specificity:	AA 666-772
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARHGAP44 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 666-772 of human ARHGAP44 (NP_055674.4).
Sequence:	MADQSAGQPS PVLSPTPPS TPSPYGLSYP QGYSLASGQL SPAAAPPLAS PSVFTSTLSK SRPTPKPRQR PTLPPPQPPT VNLSASSPQS TEAPMLDGMS PGESMST
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	ARHGAP44
Alternative Name:	ARHGAP44 ( <a href="#">ARHGAP44 Products</a> )
Background:	<p>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. In neurons, is involved in dendritic spine formation and synaptic plasticity in a specific RAC1-GAP activity (By similarity. 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. Acts through GAP activity on RAC1 to reduce actin polymerization necessary for filopodia formation (By similarity. In association with SHANK3, promotes GRIA1 exocytosis from recycling endosomes and spine morphological changes associated to long-term potentiation (By similarity.,ARHGAP44,NPC-A-10,RICH2,Signal Transduction,G protein signaling,Signal Transduction,ARHGAP44</p>
Molecular Weight:	83 kDa/88 kDa/89 kDa
Gene ID:	9912
UniProt:	<a href="#">Q17R89</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using ARHGAP44 antibody.

