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Datasheet for ABIN1385870  
**anti-CHN1 antibody (AA 151-250)**

## Overview

Quantity:	100 µL
Target:	CHN1 (ARHGAP2)
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Alpha-chimerin
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	CHN1 (ARHGAP2)
Alternative Name:	CHN 1/Alpha-chimerin ( <a href="#">ARHGAP2 Products</a> )

## Target Details

Background:	<p>Synonyms: A-chimaerin, Alpha-chimerin, ARHGAP2, CHIN_HUMAN, CHN, Chn1, N chimaerin, N chimerin, N-chimaerin, N-chimerin, NC, Rho GTPase-activating protein 2, RHOGAP2.</p> <p>Background: The Rac-GAP chimaerin family member Alpha-chimaerin (also known as N-chimaerin or rho GTPase-activating protein 2) has two splice variants: Alpha1 and Alpha2. The ?-chimaerin variant is a neuron-specific, diacylglycerol-binding and GTPase-activating protein for ras-related protein Rac 1. This variant lacks the N-terminal SH2 domain that is present in the Alpha2 variant. By inactivating Rac 1, Alpha1-chimaerin plays a significant role in the regulation of dendritic growth during neuronal development. It is recruited to the plasma membrane by phospholipase C Beta-coupled cell surface receptors activating the downstream generation of DAG (diacylglycerol). Overexpression of Alpha1-chimaerin results in dendritic spine retraction and the loss of dendritic branches. In the presence of reduced neuronal activity, Alpha1-chimaerin expression is down-regulated resulting in an increase in spine growth and dendritic branching.</p>
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## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months