

Datasheet for ABIN7168018  
**anti-RHOB antibody (AA 1-196)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	RHOB
Binding Specificity:	AA 1-196
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RHOB antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Rho-related GTP-binding protein RhoB protein (1-196AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	RHOB
Alternative Name:	RHOB ( <a href="#">RHOB Products</a> )
Background:	Background: Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed

## Target Details

cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.

Aliases: Aplysia RAS-related homolog 6 antibody, ARH6 antibody, ARHB antibody, H6 antibody, MST081 antibody, MSTP081 antibody, oncogene RHO H6 antibody, ras homolog family member B antibody, ras homolog gene family, member B antibody, Rho cDNA clone 6 antibody, Rho related GTP binding protein RhoB Precursor antibody, Rho-related GTP-binding protein RhoB antibody, Rhob antibody, RHOB\_HUMAN antibody, RHOH6 antibody

UniProt: [P62745](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

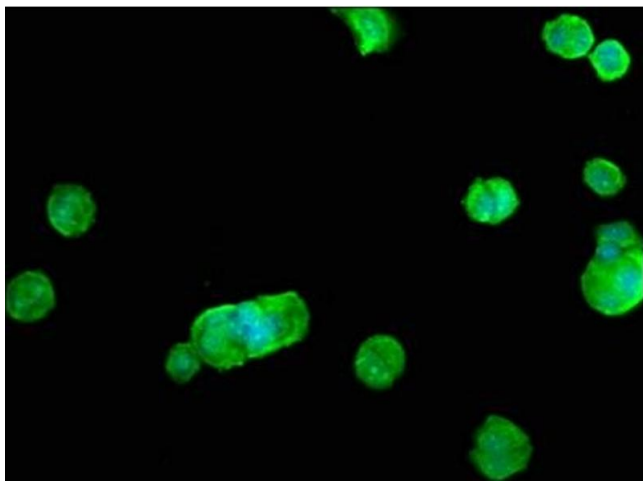
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of MCF-7 cells with ABIN7168018 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).