

## Anti-CDC42 Antibody Picoband® PE Conjugated

Catalog Number: PA1366-PE

### About CDC42

Cell division control protein 42 homolog also known as CDC42 is a protein involved in regulation of the cell cycle. In humans, CDC42 is encoded by the CDC42 gene. CDC42 is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. This protein is highly similar to *Saccharomyces cerevisiae* Cdc 42, and is able to complement the yeast *cdc42-1* mutant. The product of oncogene *Dbl* was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants.

### Overview

Product Name	Anti-CDC42 Antibody Picoband® PE Conjugated
Reactive Species	Bovine, Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P60953

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human CDC42, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 28934273, Han F1, Zhuang TT1, Chen JJ1, Zhu XL1,2, Cai YF1, Lu YP1. PLoS One. 2017 Sep 21;12(9):e0185102. doi: 10.1371/journal.pone.0185102. eCollection 2017. Novel derivative of Paeonol, Paeononlsilatie sodium, alleviates behavioral damage and hippocampal ...

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