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# Phospho-Rac1/Cdc42-S71 Rabbit mAb

**Catalog No.: AP1018** Recombinant 1 Publications

## Basic Information

**Observed MW**
24kDa

**Calculated MW**
24kDa

**Category**
Primary antibody

**Applications**
WB,ELISA

**Cross-Reactivity**
Human

**CloneNo number**
ARC1563

## Background

The protein encoded by this gene 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. Pseudogenes of this gene have been identified on chromosomes 3, 4, 5, 7, 8 and 20. [provided by RefSeq, Apr 2013]

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
998/5879

**Swiss Prot**
P60953/P63000

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
CDC42Hs; G25K; TKS; Phospho-Rac1/Cdc42-S71

## Contact


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## Product Information

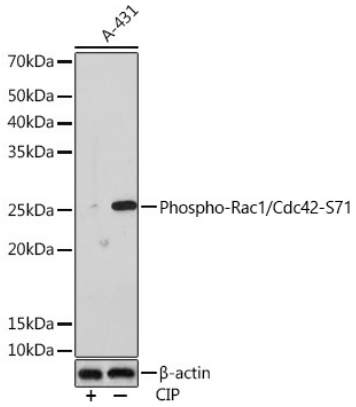
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data




Western blot analysis of lysates from A-431 cells, using Phospho-Rac1/Cdc42-S71 Rabbit mAb (AP1018) at 1:1000 dilution. A-431 cells were treated by CIP(20uL/400ul) at 37℃ for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



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