

## CDC42 Antibody

*Cell division cycle 42 isoform 1*

**CATALOG NO.:** XW-7097

**BACKGROUND:**

Cell division cycle 42 isoform 1; cell division cycle 42 (GTP-binding protein, 25kD). This protein 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 at least two transcript variants.

**TESTED APPLICATION:**

WB

**SPECIES REACTIVITY:**

H,M,R

**CLONALITY:**

Polyclonal

**HOST:**

Chicken

**IMMUNOGEN:**

1-191

**PROTEIN GI #:**

4757952

**PROTEIN ACCESSION #:**

NP\_001782.1

**PURIFICATION:**

Antigen affinity-purified

**BUFFER:**

Phosphate-Buffered Saline. No preservatives added.

**APPLICATION:**

CDC42 IgY antibody can be used for the detection of CDC42 by Western blot, may also work for IHC and ICC.



CDC42 IgY Antibody

**STORAGE:**

This antibody can be stored at 4°C for short term (weeks). Long term storage should be at -20°C. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.