bs-3369R **[Primary Antibody]**

phospho-CDC42 (Ser71) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 998 **SWISS:** P60953

Target: CDC42 (Ser71)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CDC42 around the phosphorylation site of Ser71: PL(p-S)YP.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

Applications: **ICC/IF** (1:100)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 21 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=2.049]** Lei Q et al. HEV ORF3 down‐regulates CD14 and CD64 to impair macrophages phagocytosis through inhibiting JAK/STAT pathway. Journal of Medical Virology. 2019. WB ;Human. doi:10.1002/jmv.25400