

bs-3555R**[Primary Antibody]****CDC42 Rabbit pAb****Bioss**
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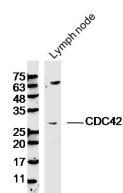
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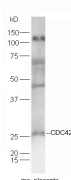
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 998**SWISS:** P60953**Target:** CDC42**Immunogen:** KLH conjugated synthetic peptide derived from human CDC42: 101-191/191.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

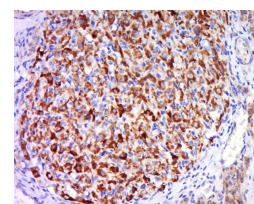
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Mouse, Rat
(predicted: Human, Rabbit, Pig, Cow, Chicken, Dog, Horse)**Predicted MW.:** 25 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

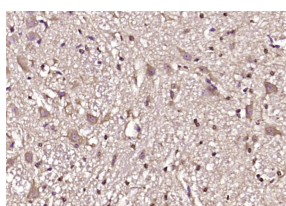
Sample: Lymph node (Mouse) Lysate at 40 ug
 Primary: Anti-CDC42 (bs-3555R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD
 Observed band size: 28 kD



Sample: placenta (Mouse) Lysate at 40 ug
 Primary: Anti-CDC42 (bs-3555R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD
 Observed band size: 25 kD



Tissue/cell: rat ovary tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CDC42 Polyclonal Antibody, Unconjugated(bs-3555R) 1:600, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDC42) Polyclonal Antibody, Unconjugated (bs-3555R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.208]** Yao Wang. et al. AKBA Promotes Axonal Regeneration via RhoA/Rictor to Repair Damaged Sciatic Nerve. INT J MOL SCI. 2022 Jan;23(24):15903 WB ;Rat. 36555556
- **[IF=3.647]** Xu Li. et al. Gonadotropin-inhibiting hormone promotes apoptosis of bovine ovary granulosa cells. Life Sci. 2021 Apr;270:119063 WB ;Bovine. 33460664
- **[IF=3.448]** Yu C et al. LncRNA AC009022. 1 enhances colorectal cancer cells proliferation, migration, and invasion by promoting ACTR3B expression via suppressing miR - 497 - 5p. J Cell Biochem. 2019 Oct 21. WB ;Human. 31637768
- **[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