



# BORG5 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-05445                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>                   | CDC42EP1 BORG5 CEP1 MSE55                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                |
| <b>Specificity</b>                 | BORG5 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                        |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                    | BORG5;CDC42EP1;MSE55;CEP1;Cdc42 effector protein 1;CDC42EP1 BORG5 CEP1 MSE55;Cdc42 effector protein 1 (Binder of Rho GTPases 5) (Serum protein MSE55)                                                                                                                                                                                                                                        |
| <b>Observed Band</b>               | 43kD                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Calculated Molecular Weight</b> | 43kD                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cell Pathway</b>                | Endomembrane system ; Peripheral membrane protein . Cytoplasm, cytoskeleton .                                                                                                                                                                                                                                                                                                                |
| <b>Tissue Specificity</b>          | Endothelial and bone marrow stromal cells.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Function</b>                    | domain:The CRIB domain mediates interaction with CDC42.,function:Probably involved in the organization of the actin cytoskeleton. Induced membrane extensions in fibroblasts.,similarity:Belongs to the BORG/CEP family.,similarity:Contains 1 CRIB domain.,subunit:Interacts with RHOQ and CDC42, in a GTP-dependent manner.,tissue specificity:Endothelial and bone marrow stromal cells., |
| <b>Background</b>                  | CDC42 is a member of the Rho GTPase family that regulates multiple cellular activities, including actin polymerization. The protein encoded by this gene is a CDC42 binding protein that mediates actin cytoskeleton reorganization at the                                                                                                                                                   |



plasma membrane. This protein is secreted and is primarily found in bone marrow. [provided by RefSeq, Jul 2008],

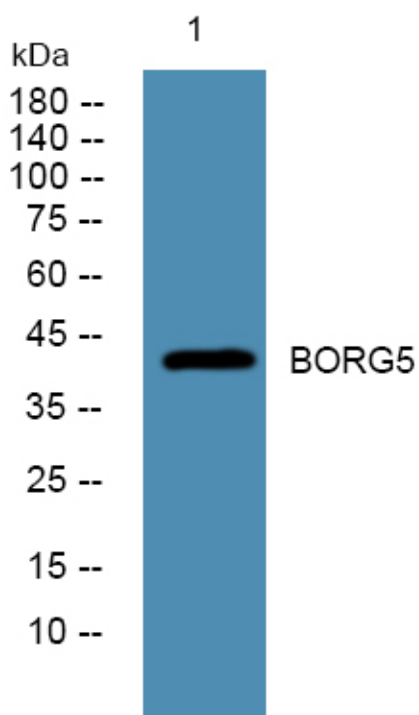
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night