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## Summary

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Production Name</b> | Cdc42EP2 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody          |
| <b>Host</b>            | Rabbit                              |
| <b>Application</b>     | WB,ELISA                            |
| <b>Reactivity</b>      | Human,Mouse,Rat                     |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | CDC42EP2   |
| <b>Alternative Names</b> | CDC42EP2; BORG1; CEP2; Cdc42 effector protein 2; Binder of Rho GTPases 1                               |
| <b>Gene ID</b>           | 10435.0  |
| <b>SwissProt ID</b>      | O14613.The antiserum was produced against synthesized peptide derived from human BORG1. AA range:10-59 |

## Application

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500 - 1:2000. ELISA: 1:40000 |
| <b>Molecular Weight</b> | 28kD                              |

## Background

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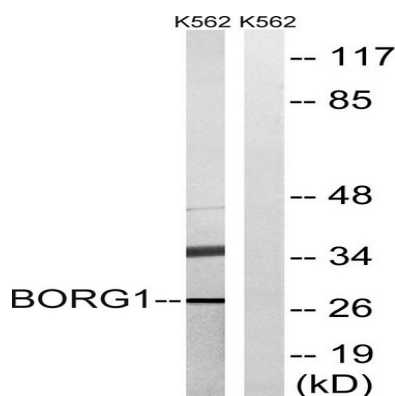
**Product Name: Cdc42EP2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08519**



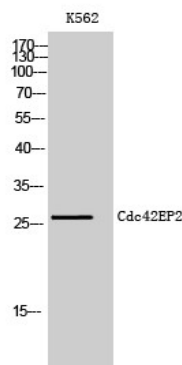
CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of CDC42. Coexpression of this protein with CDC42 suggested a role of this protein in actin filament assembly and cell shape control. [provided by RefSeq, Aug 2011],domain:The CRIB domain mediates interaction with CDC42.,function:Probably involved in the organization of the actin cytoskeleton. May act downstream of CDC42 to induce actin filament assembly leading to cell shape changes. Induces pseudopodia formation in fibroblasts in a CDC42-dependent manner.,similarity:Belongs to the BORG/CEP family.,similarity:Contains 1 CRIB domain.,subunit:Interacts with RHOQ and CDC42 in a GTP-dependent manner, and with SEPT7.,tissue specificity:Highly expressed in the heart. Weakly expressed in the pancreas and liver.,

## Research Area

## Image Data



Western blot analysis of lysates from K562 cells, using BORG1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of K562 cells using Cdc42EP2 Polyclonal Antibody

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**Note**

For research use only.