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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	28kDa

Antigen Information

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

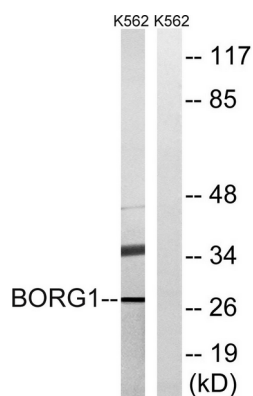
Background

CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the

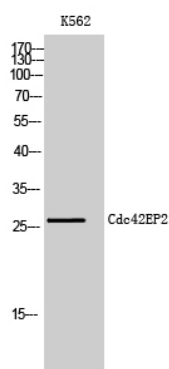
downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of CDC42. Coexpression of this protein with CDC42 suggested 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