Product Name: **Cdc42EP4 Rabbit Polyclonal Antibody**
Catalog #: **APRab08521**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
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 1:10000-1:20000
Molecular Weight	36kDa

Antigen Information

Gene Name	CDC42EP4
Alternative Names	CDC42EP4; BORG4; CEP4; Cdc42 effector protein 4; Binder of Rho GTPases 4
Gene ID	23580.0
SwissProt ID	Q9H3Q1
Immunogen	The antiserum was produced against synthesized peptide derived from human BORG4. AA range:201-250

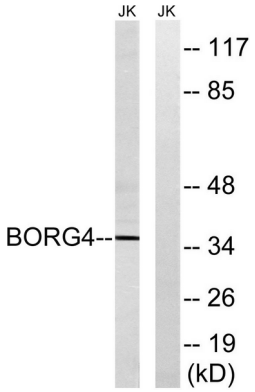
Background

The product of this gene is a member of the CDC42-binding protein family. Members of this family interact with Rho family

GTPases and regulate the organization of the actin cytoskeleton. This protein has been shown to bind both CDC42 and TC10 GTPases in a GTP-dependent manner. When overexpressed in fibroblasts, this protein was able to induce pseudopodia formation, which suggested a role in inducing actin filament assembly and cell shape control. [provided by RefSeq, Jul 2008],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, when overexpressed in fibroblasts.,similarity:Belongs to the BORG/CEP family.,similarity:Contains 1 CRIB domain.,subunit:Interacts with CDC42 and RHOQ, in a GTP-dependent manner.,tissue specificity:Not detected in any of the adult tissues tested. May be expressed only in fetal or embryonic tissues.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat cells, using BORG4 Antibody. The lane on the right is blocked with the synthesized peptide.