



# Cdc42EP5 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-03754
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	CDC42EP5
<b>Protein Name</b>	Cdc42 effector protein 5
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BORG3. AA range:1-50
<b>Specificity</b>	Cdc42EP5 Monoclonal Antibody detects endogenous levels of Cdc42EP5 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CDC42EP5; BORG3; CEP5; Cdc42 effector protein 5; Binder of Rho GTPases 3
<b>Observed Band</b>	22kD
<b>Cell Pathway</b>	Endomembrane system ; Peripheral membrane protein . Cytoplasm, cytoskeleton .
<b>Tissue Specificity</b>	Bone,Pancreas,
<b>Function</b>	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. Inhibits MAPK8 independently of CDC42 binding. Controls septin organization and this effect is negatively regulated by CDC42.,similarity:Belongs to the BORG/CEP family.,similarity:Contains 1 CRIB domain.,subunit:Interacts with CDC42, in a GTP-dependent manner, and with SEPT7.,
<b>Background</b>	Cell division control protein 42 (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 (binder of Rho GTPases) family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to CDC42 and regulate its function negatively. The encoded protein may inhibit



c-Jun N-terminal kinase (JNK) independently of CDC42 binding. The protein may also play a role in septin organization and inducing pseudopodia formation in fibroblasts [provided by RefSeq, Jul 2013],

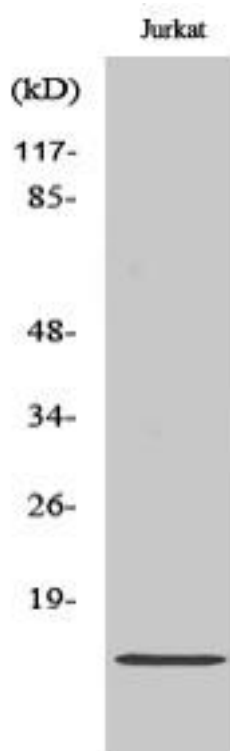
**matters needing attention**

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 various cells using Cdc42EP5 Monoclonal Antibody