Cdc42EP5 rabbit pAb

Cat#: orb764807 (Manual)

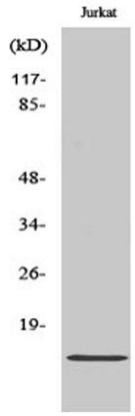
For research use only. Not intended for diagnostic use.

Product Name	Cdc42EP5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BORG3. AA range:1-50
Specificity	Cdc42EP5 Polyclonal Antibody detects endogenous levels of Cdc42EP5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cdc42 effector protein 5
Gene Name	CDC42EP5
Cellular localization	Endomembrane system ; Peripheral membrane protein . Cytoplasm, cytoskeleton .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Concentration	1 mg/ml
Observed band	22kD
Human Gene ID	148170
Human Swiss-Prot Number	Q6NZY7
Alternative Names	CDC42EP5; BORG3; CEP5; Cdc42 effector protein 5; Binder of Rho GTPases 3
Background	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],



Western Blot analysis of various cells using Cdc42EP5 Polyclonal Antibody diluted at 1:500

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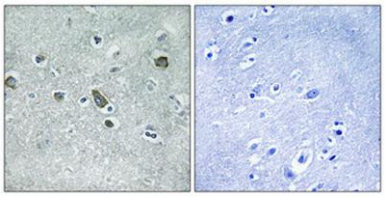
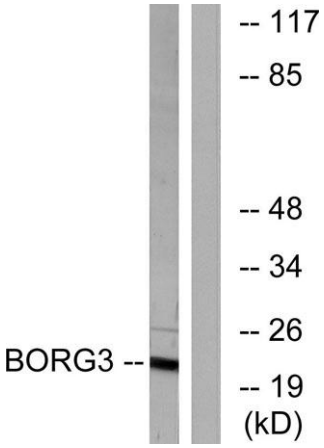


Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by i



Western blot analysis of lysates from Jurkat cells, using BORG3 Antibody. The lane on the right is blocked with the synthesized peptide.

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