



Cdc42EP4 Polyclonal Antibody

Catalog No	YP-Ab-03753
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CDC42EP4
Immunogen	The antiserum was produced against synthesized peptide derived from human BORG4. AA range:201-250
Specificity	Cdc42EP4 Polyclonal Antibody detects endogenous levels of Cdc42EP4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CEP4;Cdc42 effector protein 4;BORG4;Binder of Rho GTPases 4;Cdc42EP4
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Endomembrane system; Peripheral membrane protein. Cytoplasm, cytoskeleton.
Tissue Specificity	Not detected in any of the adult tissues tested. May be expressed only in fetal or embryonic tissues.
Function	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.,
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],

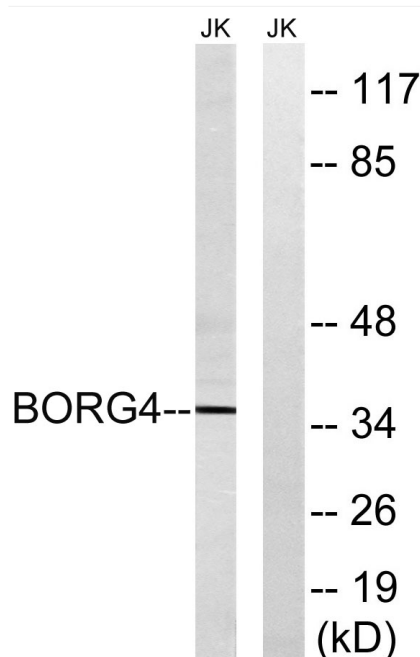
matters needing attention

Avoid repeated freezing and thawing!

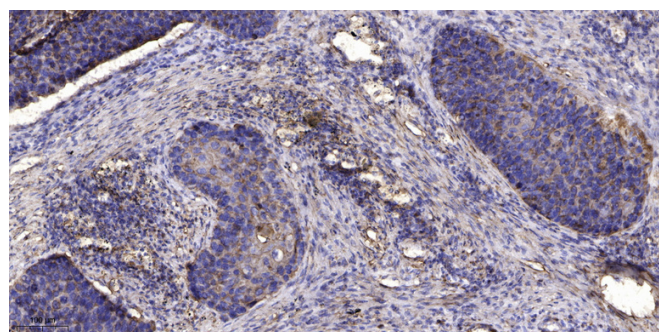
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).