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Anti-CDC42EP2 Antibody

Catalog # AP60086

Product Information

Application	WB, IHC
Primary Accession	O14613
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22484

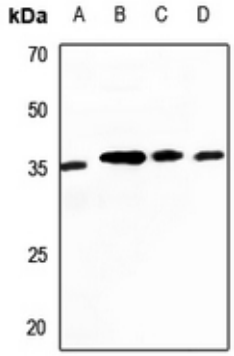
Additional Information

Gene ID	10435
Other Names	BORG1; CEP2; Cdc42 effector protein 2; Binder of Rho GTPases 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CDC42EP2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

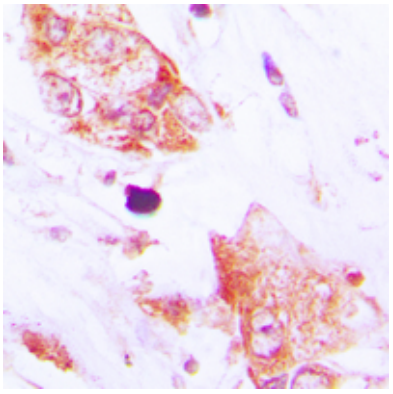
Protein Information

Name	CDC42EP2
Synonyms	BORG1, CEP2
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.
Cellular Location	Endomembrane system; Peripheral membrane protein. Cytoplasm, cytoskeleton
Tissue Location	Highly expressed in the heart. Weakly expressed in the pancreas and liver.

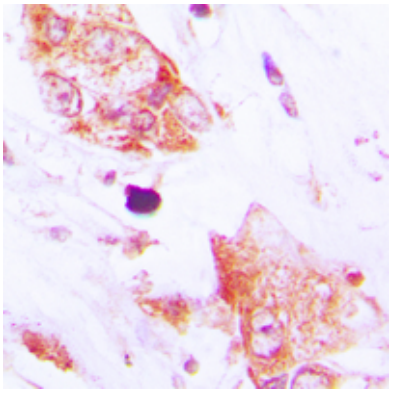
Images



Western blot analysis of CDC42EP2 expression in Hela (A), mouse heart (B), mouse testis (C), rat testis (D) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 35 kD)



Immunohistochemical analysis of CDC42EP2 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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