10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-CDC42EP4 Antibody

Catalog # AP53918

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q9H3Q1 |
| **Reactivity** | Human, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 37980 |

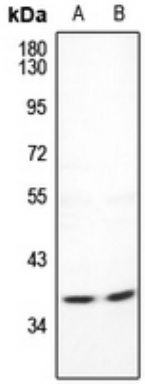
## Additional Information

| | |
|---|---|
| **Gene ID** | 23580 |
| **Other Names** | BORG4; CEP4; Cdc42 effector protein 4; Binder of Rho GTPases 4 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDC42EP4. The exact sequence is proprietary. |
| **Dilution** | WB~~1/500 - 1/1000 IHC~~1/50 - 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 |

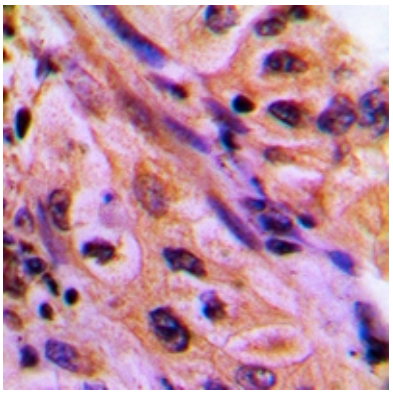
## Protein Information

| | |
|---|---|
| **Name** | CDC42EP4 |
| **Synonyms** | BORG4, CEP4 |
| **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. |
| **Cellular Location** | Endomembrane system; Peripheral membrane protein. Cytoplasm, cytoskeleton |
| **Tissue Location** | Not detected in any of the adult tissues tested. May be expressed only in fetal or embryonic tissues |

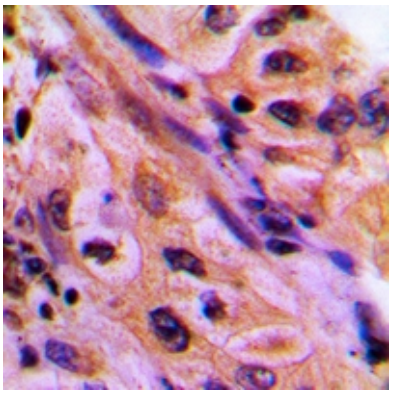
## Images




Western blot analysis of CDC42EP4 expression in Hela (A), PC12 (B) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 38 kD)



Immunohistochemical analysis of CDC42EP4 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.



Immunohistochemical analysis of CDC42EP4 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.