

RACO0549

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Homo sapiens (Human)

**Isotype:**

Rabbit IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

WB:1:500-1:5000, IHC:1:50-1:200

**Protein Background:**

Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. Regulates the bipolar attachment of spindle microtubules to kinetochores before chromosome congression in metaphase. Plays a role in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. Mediates CDC42-dependent cell migration. Required for DOCK10-mediated spine formation in Purkinje cells and hippocampal neurons. Facilitates filopodia formation upon DOCK11-activation (By similarity).

**Gene ID:**

CDC42

**Uniprot**

P60953

**Synonyms:**

Cell division control protein 42 homolog (G25K GTP-binding protein), CDC42

**Immunogen:**

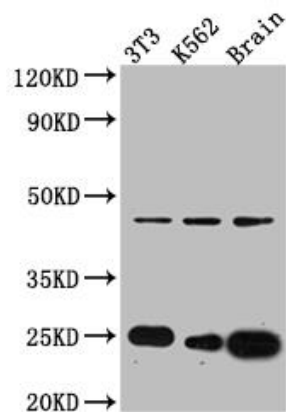
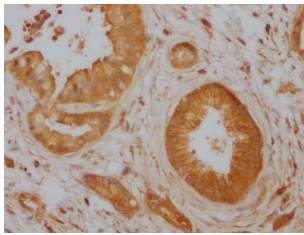
A synthesized peptide derived from human CDC42.

**Storage:**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

## Product Images

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IHC image of RACO0549 diluted at 1:100 and staining in paraffin-embedded human pancreatic cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

### Western Blot

Positive WB detected in( NIH/3T3 whole cell lysate) K562 whole cell lysate) Mouse Brain whole cell lysate) All lanes: CDC42 antibody at 1:1000

### Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 22, 22 kDa

Observed band size: 24 kDa