

# Rac1/2/3/CDC42 rabbit pAb

Cat No.:ES3300

For research use only

## Overview

Product Name	Rac1/2/3/CDC42 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Rac1/CDC42. AA range:38-87
Specificity	Rac1/2/3/CDC42 Polyclonal Antibody detects endogenous levels of Rac1/2/3/CDC42 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	Ras-related C3 botulinum toxin substrate 3
Gene Name	RAC3
Cellular localization	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Melanosome . Cytoplasm . Cell projection, lamellipodium . Cell projection, dendrite . Cell junction, synapse . Nucleus . Inner surface of plasma membrane possibly with attachment requiring prenylation of the C-terminal cysteine (PubMed:1903399). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Found in the ruffled border (a late endosomal-like compartment in the plasma membrane) of bone-resorbing osteoclasts. Localizes to the lamellipodium in a SH3RF1-dependent manner (By similarity). In macrophages, cytoplasmic location increases upon CSF1 stimulation (By similarity). Activation by GTP-binding promotes nuclear localization





### Purification

### Clonality

### Concentration

### Observed band

### Human Gene ID

### Human Swiss-Prot Number

### Alternative Names

(PubMed:12551911). .

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Polyclonal

1 mg/ml

26kD

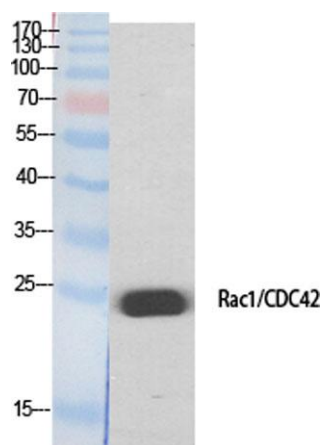
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P63000/P15153/P60763/P60953

RAC1; TC25; MIG5; Ras-related C3 botulinum toxin substrate 1; Cell migration-inducing gene 5 protein; Ras-like protein TC25; p21-Rac1; RAC2; Ras-related C3 botulinum toxin substrate 2; GX; Small G protein; p21-Rac2; RAC3; Ras-related C3 bot

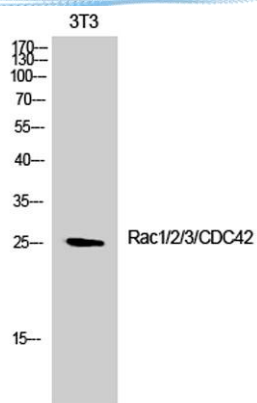
### Background

The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009],

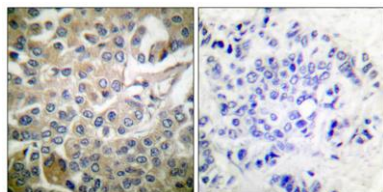


Western Blot analysis of various cells using  
Rac1/2/3/CDC42 Polyclonal Antibody

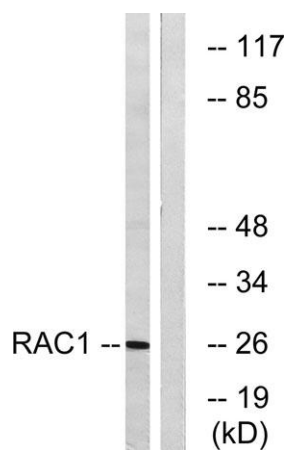




Western Blot analysis of 3T3 cells using Rac1/2/3/CDC42 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Rac1/CDC42 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with EGF 200ng/ml 30', using Rac1/CDC42 Antibody. The lane on the right is blocked with the synthesized peptide.

