

## IQGAP1 polyclonal antibody

Catalog: BS90734

Host: Rabbit

Reactivity: Human, Mouse

### Background:

IQGAP1, for IQ motif containing GTPase activating protein, is a Ras GAP-related, Actin-binding protein that interacts with the small GTPases Cdc42 and Rac1. The C-terminus of IQGAP1 is essential for interacting with Cdc42 and, in addition, IQGAP1 contains a WW domain and a predicted N-terminal coiled-coil region, which may be involved in IQGAP dimerization. Expression of IQGAP1 is highest in placenta, lung and kidney, where it co-localizes with Cdc42 to the cytoskeleton and assists with Cdc42 in mediating the regulation of cell proliferation, polarity and cell morphology. IQGAP1 regulates cadherin-mediated cell adhesion via binding to E-cadherin, b-catenin and a-catenin. This association induces the accumulation of these proteins at the site of cell-cell contact. IQGAP1 is negatively regulated by calmodulin, which binds to IQGAP1 in a calcium-dependent manner and disrupts IQGAP1 from associating with Cdc42.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

189 kDa

### Swiss-Prot:

P46940(Human) Q9JKF1(Mouse)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

ICC/IF:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

### Storage&Stability:

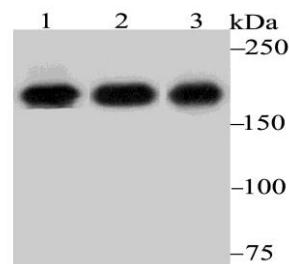
Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid

repeated freeze / thaw cycles.

### Specificity:

IQGAP1 polyclonal antibody detects endogenous levels of IQGAP1 protein.

### DATA:



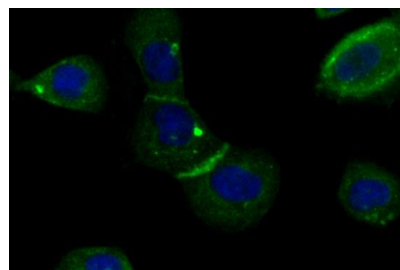
Western blot analysis of IQGAP1 on different lysates using anti-IQGAP1 antibody at 1/1,000 dilution.

Positive control:

Lane 1: HUVEC

Lane 2: A431

Lane 3: Mouse placenta



ICC staining IQGAP1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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