

## Ras GAP Polyclonal Antibody

**CATALOG #:** 3311-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 1025 of human RasGAP (ID# BV-403)

**SPECIES REACTIVITY:** Human, Mouse, Rat, Bovine

**FORMULATION:**  
100 µg (0.2 mg/ml) protein A purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

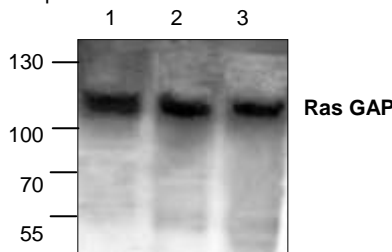
The mammalian proto-oncogene Ras encodes 21 kDa proteins (p21Ras) which exists in either a physiologically quiescent GDP-binding state or a GTPbinding signal-emitting state. Interaction of p21Ras with GTPase activating protein (GAP) can increase hydrolysis of p21Ras-bound GTP by as much as 1000-fold. The product of the neurofibromatosis type 1 gene (NF1) has also been shown to exhibit p21Ras GAP activity.

### SPECIFICITY:

The antibody recognizes ~120 kDa Ras GAP of human, mouse, rat, and bovine origins. Reactivity to other species has not been tested.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researchers feedback, it also works well in immunoprecipitation (10-20 µg/ml) and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate can be used as a positive control.



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Western blot analysis of Ras GAP with lysates from Jurkat cells (Lane 1), mouse small intestine (Lane 2) and rat kidney (Lane 3).

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
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- Bioluminescence Cytotoxicity Assay Kit
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- CETP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies