

Ras GAP Polyclonal Antibody

CATALOG NO: 3311-30T 30 µg (Trial size)
3311-100 100 µg

HOST: Rabbit

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

SPECIES REACTIVITY: Human, Mouse, Rat, Bovine

FORMULATION:

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/defrost cycles.

BACKGROUND:

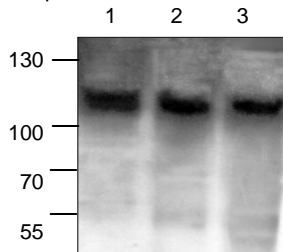
The mammalian proto-oncogene Ras encodes 21 kDa proteins (p21Ras) which exists in either a physiologically quiescent GDP-binding state or a GTPbinding signal-emitting state. Interaction of p21Ras with GTPase activating protein (GAP) can increase hydrolysis of p21Ras-bound GTP by as much as 1000-fold. 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.



Ras GAP Cat.#: 3311-100
Western blot analysis of Ras GAP with lysates from Jurkat cells (Lane 1), mouse small intestine (Lane 2) and rat kidney (Lane 3).

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