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**Anti-Ras-GAP**

Cat #: HM1313  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

p21Ras are ubiquitously expressed guanine nucleotide-binding proteins. They bind GDP and GTP with high affinity but possess a low level intrinsic GTPase activity in quiescent state. Ras GTPase activity can be stimulated over 1000-fold by interaction with cytosolic GTPase activating protein (GAP). p120 Ras-GAP is located in the cytoplasm and belongs to the GAP1 family of GTPase-activating proteins. It stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Several tyrosine kinases such as platelet derived growth factor receptor and epidermal growth factor receptor are involved in the tyrosine phosphorylation of GAP. It is suggested that GAP may provide a connection or link between growth factor receptors and the ras p21 family.

**SPECIFICITY**

This antibody reacts with Ras-GAP (p120) of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular weight of Ras GAP: 120 kDa.  
Western blotting positive control: A-431 cells.

**IMMUNOGEN**

Recombinant C-terminus human Ras-GAP protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

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