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RasGAP Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10235

Specification

RasGAP Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	P20936
Reactivity	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**116403**

RasGAP Antibody - Additional Information

Gene ID 5921

Application & Usage	**Western blotting (0.5-4 µg/ml) and 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. The antibody recognizes ~120 kDa Ras GAP of human, mouse, rat, and bovine origins.**

Other Names
RASGAP, p120GAP , RASA1, RASA, CMAVM, CM-AVM , PKWS , p120GAP, DKFZp434N071

Target/Specificity
RasGAP

Antibody Form
Liquid

Appearance
Colorless liquid

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.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
RasGAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RasGAP Antibody - Protein Information

Name RASA1

Synonyms GAP, RASA

Function
Inhibitory regulator of the Ras-cyclic AMP pathway. Stimulates the GTPase of normal but not oncogenic Ras p21; this stimulation may be further increased in the presence of NCK1.

Cellular Location
Cytoplasm.

Tissue Location
In placental villi, detected only in the trophoblast layer (cytotrophoblast and syncytiotrophoblast). Not detected in stromal, endothelial or Hofbauer cells (at protein level)

RasGAP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RasGAP Antibody - Images

RasGAP Antibody - 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.