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Datasheet for ABIN1714225
anti-RASA1 antibody (AA 451-550)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | RASA1 |
| Binding Specificity: | AA 451-550 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RASA1 antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human Ras GTPase-activating protein 1 |
| Isotype: | IgG |
| Cross-Reactivity: | Rat |
| Predicted Reactivity: | Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Chicken |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|-------|
| Target: | RASA1 |
|---------|-------|

Target Details

Alternative Name: RASA1 ([RASA1 Products](#))

Background: Synonyms: Ras GAP, CM AVM, CMAVM, DKFZp434N071, GAP, GTPase activating protein, GTPase-activating protein, OTTHUMP00000222390, OTTHUMP00000222391, OTTHUMP00000222392, OTTHUMP00000222393, p120GAP, p120RASGAP, PKWS, Ras GTPase-activating protein 1, RAS p21 protein activator GTPase activating protein 1, Ras p21 protein activator, RASA, RASA1, RASA1_HUMAN, RasGAP, Triphosphatase activating protein.

Background: The mammalian c-H-, c-K- and N-Ras proto-oncogenes encode ubiquitously expressed proteins (1,2). p21Ras can exist in either a physiologically quiescent GDP-binding state or a GTP-binding signal-emitting state (3). Oncogenic p21Ras proteins are trapped in the excited signal-emitting state because the mechanism normally employed to delimit their excitation period, hydrolysis of their bound GTP to GDP, is impaired as a result of specific mutations (3). Interaction of p21Ras with GTPase activating protein (GAP) can increase hydrolysis of p21Ras-bound GTP by as much as 1000-fold (4,5). The product of the neurofibromatosis type 1 gene (NF1) has also been shown to exhibit p21Ras GAP activity (6,7), and proteins that stimulate the GTPase activity of three other low molecular weight GTPases, including Rho, Rab 3A and Rap 1, have also been described (8,9).

Gene ID: 5921

Pathways: [Regulation of Actin Filament Polymerization](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGFR1 Specific Signals](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

| | |
|--------------------|--|
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |