

Datasheet for ABIN5009605

**anti-RASA1 antibody (pTyr460) (AbBy Fluor® 750)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | RASA1                                                                                                   |
| Binding Specificity: | pTyr460                                                                                                 |
| Reactivity:          | Mouse                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This RASA1 antibody is conjugated to AbBy Fluor® 750                                                    |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human GAP around the phosphorylation site of Tyr460 |
| Isotype:              | IgG                                                                                                      |
| Cross-Reactivity:     | Mouse                                                                                                    |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken                                                                |
| Purification:         | Purified by Protein A.                                                                                   |

## Target Details

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

## Target Details

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

Background: Synonyms: GAP phospho Y460, p-GAP phospho Y460, 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: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

## Handling

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|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |