

Datasheet for ABIN954457

**anti-RASA1 antibody (C-Term)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 0.4 mL                                          |
| Target:              | RASA1                                           |
| Binding Specificity: | AA 965-993, C-Term                              |
| Reactivity:          | Human                                           |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This RASA1 antibody is un-conjugated            |
| Application:         | Western Blotting (WB), Enzyme Immunoassay (EIA) |

## Product Details

|               |                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | KLH conjugated synthetic peptide between 965-993 amino acids from the C-terminal region of Human RASA1 / RasGAP. Genename: RASA1 |
| Isotype:      | Ig Fraction                                                                                                                      |
| Specificity:  | This antibody recognizes Human RASA1 / RasGAP (C-term).                                                                          |
| Purification: | Affinity Chromatography on Protein A                                                                                             |

## Target Details

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Target:           | RASA1                                                                                          |
| Alternative Name: | RASA1 / RasGAP ( <a href="#">RASA1 Products</a> )                                              |
| Background:       | The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of |

## Target Details

GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in the binding sites of either protein are associated with basal cell carcinomas. Alternative splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but retaining the same activity, appears to be abundantly expressed in placental but not adult tissues. Synonyms: GAP, RASA, Ras GTPase-activating protein 1, Ras p21 protein activator, p120GAP, p120RASGAP

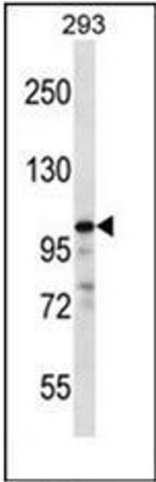
|                   |                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight: | 116403 Da                                                                                                                                                              |
| Gene ID:          | 5921                                                                                                                                                                   |
| NCBI Accession:   | <a href="#">NP_002881</a>                                                                                                                                              |
| Pathways:         | <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">VEGFR1 Specific Signals</a> |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.25 mg/mL                                                                                                             |
| Buffer:            | PBS, 0.09 % Sodium Azide                                                                                               |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.                                                                                   |
| Storage:           | 4 °C/-20 °C                                                                                                            |
| Storage Comment:   | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.                                         |



Western Blotting

**Image 1.** Western blot analysis of RASA1 / RasGAP (C-term) Cat.-No AP53583PU-N in 293 cell line lysates (35ug/lane). This demonstrates the RASA1 antibody detected the RASA1 protein (arrow).