

[Go to Product page](#)

Datasheet for ABIN1700723
anti-RASA1 antibody (AA 451-550) (Biotin)

Overview

Quantity:	100 µL
Target:	RASA1
Binding Specificity:	AA 451-550
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASA1 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

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
Alternative Name:	RASA1 (RASA1 Products)

Target Details

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: IHC-P 1:200-400
IHC-F 1:100-500

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.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months