

Datasheet for ABIN5516840
anti-RASA1 antibody (N-Term)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	RASA1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human RASA1
Sequence:	GTVDEGDSLD GPEYEEEEVA IPLTAPPTNQ WYHGKLDRTI AEERLRQAGK
Characteristics:	This is a rabbit polyclonal antibody against RASA1. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	RASA1
Alternative Name:	RASA1 (RASA1 Products)
Background:	The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS

Target Details

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. Mutations also have been associated with hereditary capillary malformations (CM) with or without arteriovenous malformations (AVM) and Parkes Weber syndrome. 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.

Alias Symbols: RASA1, GAP, RASA,

Protein Interaction Partner: ARHGAP35, DOK1, KHDRBS1, DOK2, PLCG1, EGFR, ABL1, Mbp, ERBB4, ERBB3, ERBB2, APP, SOCS1, UBC, SPSB1, ZNF579, BBS10, TRMT2A, EIF1, SERPINA4, XRCC6, EZH2, NCK1, BTRC, NFKBIA, DOK4, AFAP1L2, DNAJA3, G3BP1, PAG1, AURKB, MAP4K4, SOCS3, BIRC5, ARHGAP1, ARHGAP5,

Protein Size: 1047

Gene ID:	5921
UniProt:	P20936
Pathways:	Regulation of Actin Filament Polymerization , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals

Application Details

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

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.