

Rabbit anti-Human, Rat RASA1 Polyclonal Antibody | anti-RASA1 antibody

RASA1 Polyclonal Antibody

CATALOG # AAA175082	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry
-------------------------------	-----------------------	---------------------------------	--

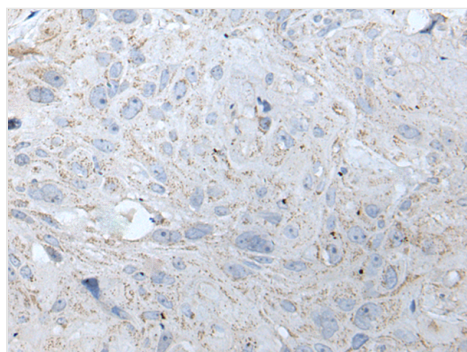
PRODUCT SYNONYMS

RASA1; Polyclonal Antibody; RASA1 Polyclonal Antibody; 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; RasGAP; Triphosphatase activating protein; anti-RASA1 antibody

PRODUCT SPECIFICATIONS

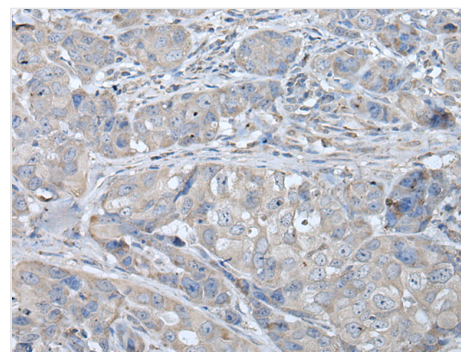
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.5mg/mL (varies by lot)
Sequence Length	1047
Applicable Applications for anti-RASA1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Fusion protein of human RASA1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using RASA1 Polyclonal Antibody at dilution of 1:40(×200)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using RASA1 Polyclonal Antibody at dilution of 1:40(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-RASA1 antibody	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 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.
Product Categories/Family for anti-RASA1 antibody	Cancer; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	121743
NCBI GeneID	5921
UniProt Accession #	P20936
NCBI Official Full Name	Ras GTPase-activating protein 1
NCBI Official Synonym Full Names	RAS p21 protein activator 1
NCBI Official Symbol	RASA1
NCBI Official Synonym Symbols	GAP; PKWS; RASA; p120; CMAVM; CM-AVM; CMAVM1; RASGAP; p120GAP; p120RASGAP
NCBI Protein Information	ras GTPase-activating protein 1
UniProt Protein Name	Ras GTPase-activating protein 1
UniProt Gene Name	RASA1
UniProt Synonym Gene Names	GAP; RASA; GAP; GTPase-activating protein; RasGAP
UniProt Entry Name	RASA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.