

Rabbit anti-Human RASGRP3 Polyclonal Antibody | anti-RASGRP3 antibody

Anti-RASGRP3 Antibody

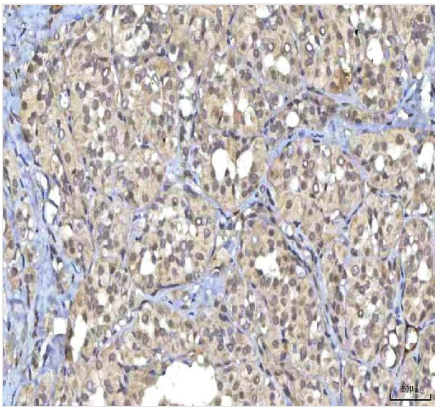
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127430	Rabbit	Human	ELISA, Immunohistochemistry

PRODUCT SYNONYMS

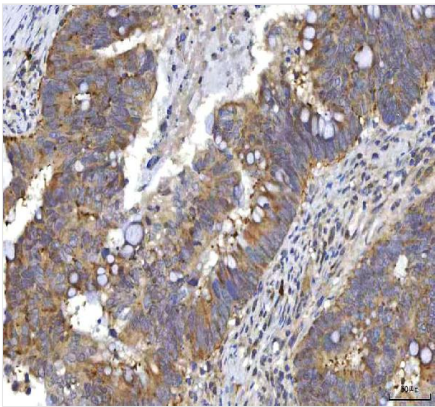
RASGRP3; Polyclonal Antibody; Anti-RASGRP3 Antibody; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-RASGRP3 antibody

PRODUCT SPECIFICATIONS

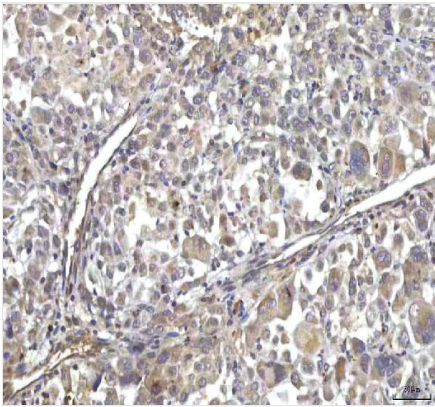
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-RASGRP3 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	E coli-derived human RASGRP3 recombinant protein (Position: K8-R607).
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



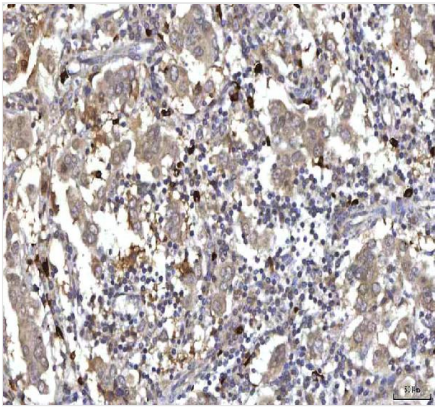
IHC (Immunohistochemistry)
Figure 4. IHC analysis of RASGRP3 using anti-RASGRP3 antibody (AAA127430).RASGRP3 was detected in a paraffin-embedded section of human thyroid cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RASGRP3 Antibody (AAA127430) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of RASGRP3 using anti-RASGRP3 antibody (AAA127430).RASGRP3 was detected in a paraffin-embedded section of human rectum adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RASGRP3 Antibody (AAA127430) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of RASGRP3 using anti-RASGRP3 antibody (AAA127430).RASGRP3 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RASGRP3 Antibody (AAA127430) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 1. IHC analysis of RASGRP3 using anti-RASGRP3 antibody (AAA127430).RASGRP3 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RASGRP3 Antibody (AAA127430) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Product Categories/Family for anti-RASGRP3 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Nagase, T., Ishikawa, K., Suyama, M., Kikuno, R., Hirose, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 5: 355-364, 1998. 2. Rebhun, J. F., Castro, A. F., Quilliam, L. A. Identification of guanine nucleotide exchange factors (GEFs) for the Rap1 GTPase: regulation of MR-GEF by M-Ras-GTP interaction. J. Biol. Chem. 275: 34901-34908, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	213385270
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NCBI GeneID	25780
NCBI Accession #	NP_001132960
NCBI GenBank Nucleotide #	NM_001139488
UniProt Accession #	Q8IV61 ; O94931 ; Q53SD7 ; D6W583
Molecular Weight	78,203 Da
NCBI Official Full Name	ras guanyl-releasing protein 3 isoform 1
NCBI Official Synonym Full Names	RAS guanyl releasing protein 3 (calcium and DAG-regulated)
NCBI Official Symbol	RASGRP3
NCBI Official Synonym Symbols	GRP3
NCBI Protein Information	ras guanyl-releasing protein 3; calcium and DAG-regulated guanine nucleotide exchange factor III; guanine nucleotide exchange factor for Rap1
UniProt Protein Name	Ras guanyl-releasing protein 3
UniProt Gene Name	RASGRP3
UniProt Synonym Gene Names	GRP3; KIAA0846
UniProt Entry Name	GRP3_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rasgrp3-antibody-immunohistochemistry-elisa/127430>