

Rabbit RAB6A Polyclonal Antibody | anti-RAB6A antibody

RAB6A Antibody

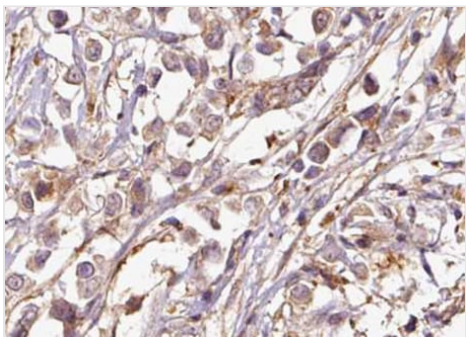
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327116	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

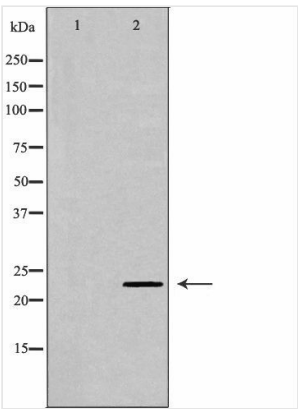
RAB6A; Polyclonal Antibody; RAB6A Antibody; GTP binding protein RAB6A'; GTP binding protein RAB6B; Oncogene RAB6; Rab 6; Rab GTPase; Rab-6; RAB6; RAB6 member RAS oncogene family; RAB6A member RAS oncogene family; Rab6A variant 3; RAB6A'; RAB6A_HUMAN; RAB6B; Ras related protein Rab 6A; Ras-related protein Rab-6A; RCO4 3; anti-RAB6A antibody

PRODUCT SPECIFICATIONS

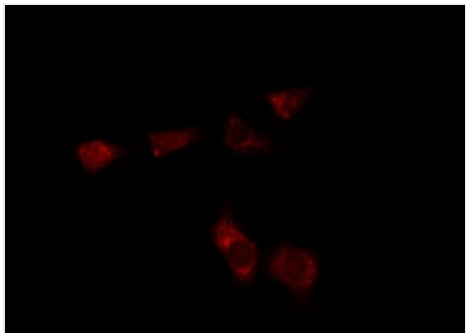
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAB6A antibody detects endogenous levels of total RAB6A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	104
Applicable Applications for anti-RAB6A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAB6A
Subcellular Location	Golgi Apparatus Membrane.
Tissue Specificity	Ubiquitous.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA327116 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using RAB6A Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA327116 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB6A antibody

Description: This gene encodes a member of the RAB family, which belongs to the small GTPase superfamily. GTPases of the RAB family bind to various effectors to regulate the targeting and fusion of transport carriers to acceptor compartments. This protein is located at the Golgi apparatus, which regulates trafficking in both a retrograde (from early endosomes and Golgi to the endoplasmic reticulum) and an anterograde (from the Golgi to the plasma membrane) directions. Myosin II is an effector of this protein in these processes. This protein is also involved in assembly of human cytomegalovirus (HCMV) by interacting with the cellular protein Bicaudal D1, which interacts with the HCMV virion tegument protein, pp150. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Function: Protein transport. Regulator of membrane traffic from the Golgi apparatus towards the endoplasmic reticulum (ER). Has a low GTPase activity. Involved in COPI-independent retrograde transport from the Golgi to the ER (PubMed:25962623).

Subunit Structure: Interacts with BICDL1; leads to its accumulation in the pericentrosomal region (By similarity). Interacts with SCYL1BP1. Interacts with VSP52 and RABGAP1. Interacts with GCC2 (via its GRIP domain). Interacts with RAB6IP1 (via its RUN 1 domain). Isoform 1 interacts with RAB6KIFL. Isoform 2 does not interact with RAB6KIFL. Isoform 1 interacts with BICD1. Isoform 2 interacts with BICD1. Isoform 1 interacts with BICD2. Isoform 2 interacts with BICD2. Interacts with TMF1. Isoform 1 (GTP-bound) interacts with DYNLRB1; the interaction is direct. Isoform 2 (GDP-bound) interacts with DYNLRB1; the interaction is direct. Interacts with PIFO. Interacts (GTP-bound) with APBA1/MINT1 isoform 2, also called Mint1_826, but not with isoform 1. Interacts with RIC1 and RGP1; the interactions are direct with a preference for RAB6A-GDP. Interacts with human cytomegalovirus protein UL32 (PubMed:21411515).

Post-translational Modifications: Prenylated.

Similarity: Belongs to the small GTPase superfamily. Rab family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	344030202
NCBI GeneID	5870
NCBI Accession #	NP_001230647.1
NCBI GenBank Nucleotide #	NM_001243718.1
UniProt Accession #	P20340; Q1W5D8; Q5U0A8; Q9UBE4; A8K133; B7Z772; F5H668
Molecular Weight	Observed: 23 kDa Predicted: 24 kDa
NCBI Official Full Name	ras-related protein Rab-6A isoform d
NCBI Official Synonym Full Names	RAB6A, member RAS oncogene family
NCBI Official Symbol	RAB6A
NCBI Official Synonym Symbols	RAB6
NCBI Protein Information	ras-related protein Rab-6A
UniProt Protein Name	Ras-related protein Rab-6A
UniProt Gene Name	RAB6A
UniProt Synonym Gene Names	RAB6; Rab-6

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/rab6a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327116>