

Rabbit RAB1A Polyclonal Antibody | anti-RAB1A antibody

Anti-RAB1A Antibody, Rabbit Polyclonal

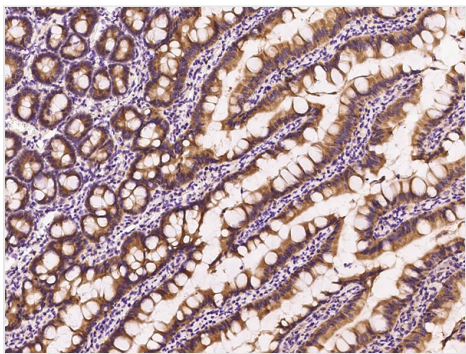
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27738	Rabbit	Human Predicted to React with: Pig (Species predicted to react based on 100% sequence homology)	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

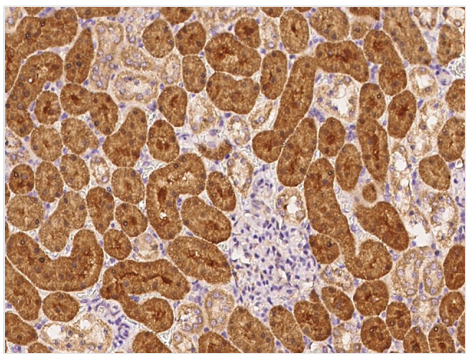
RAB1A; Polyclonal Antibody; Anti-RAB1A Antibody; Rabbit Polyclonal; RAB1A Antibody; Rabbit PAb; Antigen Affinity Purified; member RAS oncogene family; Anti-RAB1 Antibody; Anti-YPT1 Antibody; anti-RAB1A antibody

PRODUCT SPECIFICATIONS

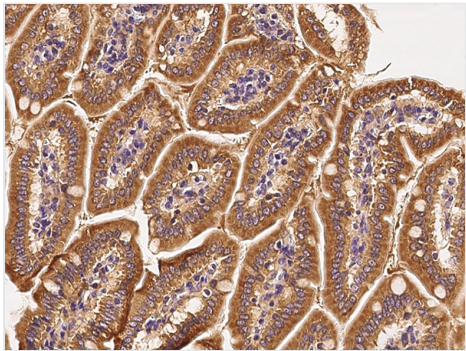
Host	Rabbit
Reactivity	Human Predicted to React with: Pig (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RAB1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-RAB1A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 IHC-P: 1:100-1:500
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human RAB1A
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human RAB1A, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



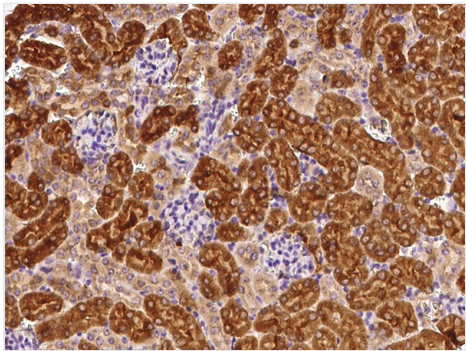
IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in rat small intestine with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



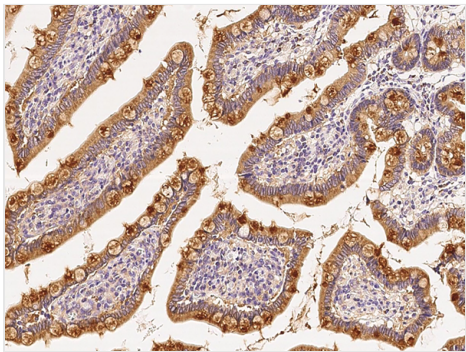
IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in rat kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



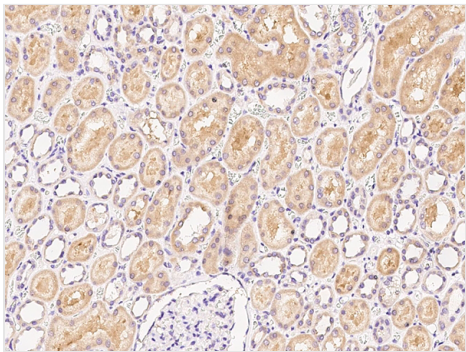
IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in mouse small intestine with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in mouse kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in human small intestine with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human RAB1A in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB1A antibody	Rab1A is a newly identified mTORC1 activator that mediates an alternative amino acid (AA) signaling branch to Rag GTPases. Rab1a is a member of the Rab family of small GTPases with a well-characterized function in the regulation of vesicle trafficking from the endoplasmic reticulum to the Golgi apparatus and within Golgi compartments. RAB1A acts as an oncogene in various cancers, and emerging evidence has verified that RAB1A is a mTORC1 activator in hepatocellular and colorectal cancer. RAB1A acts as an oncogene by regulating cellular proliferation, growth, invasion, and metastasis via activation of the mTORC1 pathway in triple-negative breast cancer. RAB1A is an important small molecule in the mechanistic target of the rapamycin signaling pathway, which is one of the downstream signaling pathways of the epidermal growth factor receptor family.
Product Categories/Family for anti-RAB1A antibody	Autophagy Pathway

References	Xu H, et al. (2017) Inhibition of rab1a suppresses epithelial-mesenchymal transition and proliferation of triple-negative breast cancer cells. <i>Oncol Rep</i> 37 (3): 1619-1626. Xu B, et al. (2018) Significance and prognostic role of human epidermal growth factor receptor 2 and rab1a expression in gastric cancer. <i>Oncol Lett</i> 15 (4): 5185-5192. Wang C, et al. (2010) Regulation of integrin beta 1 recycling to lipid rafts by rab1a to promote cell migration. <i>J Biol Chem</i> 285 (38): 29398-29405.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51338603
NCBI GeneID	5861
UniProt Accession #	P62820; P11476; Q6FIE7; Q96N61; Q9Y3T2
Molecular Weight	205
NCBI Official Full Name	Ras-related protein Rab-1A
NCBI Official Synonym Full Names	RAB1A, member RAS oncogene family
NCBI Official Symbol	RAB1A
NCBI Official Synonym Symbols	RAB1; YPT1
NCBI Protein Information	ras-related protein Rab-1A; YPT1-related protein; Rab GTPase YPT1 homolog; GTP binding protein Rab1a; RAB1, member RAS oncogene family
UniProt Protein Name	Ras-related protein Rab-1A
UniProt Gene Name	RAB1A
UniProt Synonym Gene Names	RAB1
UniProt Entry Name	RAB1A_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/rab1a-antibody-western-blot-immunohistochemistry-elisa/27738>