

Rabbit anti-Human RAB1A Polyclonal Antibody | anti-RAB1A antibody

Anti-RAB1A Antibody, Rabbit Polyclonal

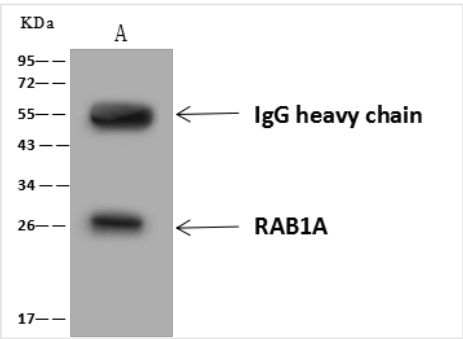
CATALOG # AAA257715	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

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

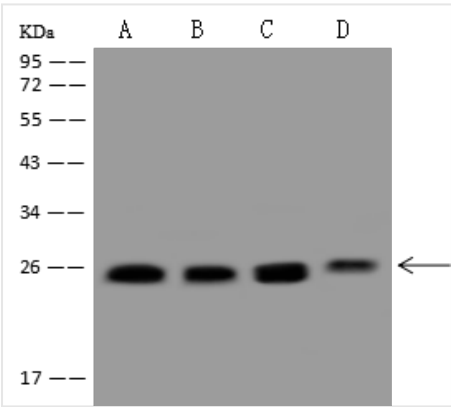
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RAB1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RAB1A antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human RAB1A fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RAB1A fragment, 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. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IP (Immunoprecipitation)

RAB1A was immunoprecipitated using: Lane A: 0.5 mg RT-4 Whole Cell Lysate, 4 uL anti-RAB1A rabbit polyclonal antibody, and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-RAB1A rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 26 kDa.



WB (Western Blot)

Anti-RAB1A rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: HeLa Whole Cell Lysate. Lane C: RT-4 Whole Cell Lysate. Lane D: 293T Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB1A antibody	Background: 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. Oncol Rep 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. Oncol Lett 15 (4): 5185-5192. Wang C, et al. (2010) Regulation of integrin beta 1 recycling to lipid rafts by rab1a to promote cell migration. J Biol Chem 285 (38): 29398-29405.

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-immunoprecipitation-western-blot-elisa/257715>