Rabbit anti-Human RAB17 Polyclonal Antibody | anti-RAB17 antibody

RAB17 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258276	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

PRODUCT SYNONYMS

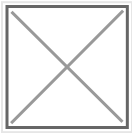
RAB17; Polyclonal Antibody; RAB17 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-RAB17 Antibody; Rabbit Polyclonal; member RAS oncogene family; anti-RAB17 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RAB17
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RAB17 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human RAB17 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RAB17 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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.

IMAGES

IHC (Immunohiostchemistry)
Immunochemical staining of human RAB17 in human gallbladder with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IF (Immunofluorescence)
Immunofluorescence staining of RAB17 in MCF7 cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human RAB17 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-RAB17 antibody	Background: The small GTPase, Ras-related protein 17 (Rab17), a member of the Rab family, plays a critical role in the regulation of membrane traffic in polarized eukaryotic cells. Rab17 is specifically induced during cell polarization in the developing kidney. The small GTPase Rab17 is specifically localized in dendrites and is not found in axons, and it regulates the dendrite morphogenesis and postsynaptic development of mouse hippocampal neurons. Small GTPase Rab17 has been shown to regulate a wide range of physiological processes including cell migration in tumor cells and dendrite morphogenesis in neurons. ALS2 plays a crucial role in the regulation of Rab17-associated endosomal trafficking and maturation, probably through their physical interaction, in cells.
References	Zacchi P, et al. (1998) Rab17 regulates membrane trafficking through apical recycling endosomes in polarized epithelial cells. J Cell Biol 140 (5): 1039-1053. Wang K, et al. (2015) Rab17 inhibits the tumourigenic properties of hepatocellular carcinomas via the erk pathway. Tumour Biol 36 (8): 5815-5824. Ono S, et al. (2020) Als2, the small gtpase rab17-interacting protein, regulates maturation and sorting of rab17-associated endosomes. Biochem Biophys Res Commun 523 (4): 908-915. Mori Y, et al. (2015) Assay of rab17 and its guanine nucleotide exchange factor rabex-5 in the dendrites of hippocampal neurons. Methods Mol Biol 1298 233-243.

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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