

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

Anti-RABEPK Antibody, Rabbit Polyclonal

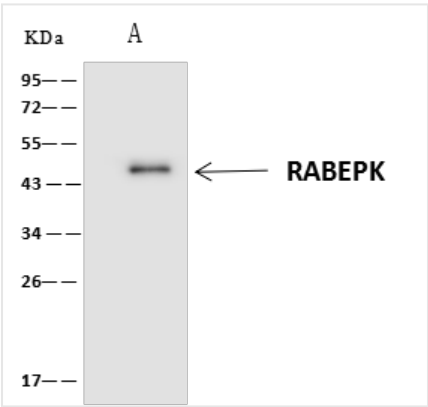
CATALOG # AAA255928	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

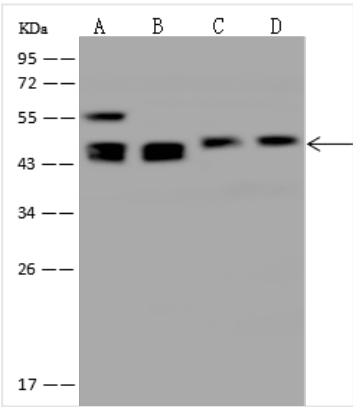
RABEPK; Polyclonal Antibody; Anti-RABEPK Antibody; Rabbit Polyclonal; RABEPK Antibody; Rabbit PAb; Antigen Affinity Purified; Rab9 effector protein with kelch motifs; Anti-bA65N13.1 Antibody; Anti-p40 Antibody; Anti-RAB9P40 Antibody; anti-RABEPK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RABEPK
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RABEPK antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human RABEPK fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RABEPK 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.



IP (Immunoprecipitation)
RABEPK was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-RABEPK rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RABEPK rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size :45 kDa



WB (Western Blot)
Anti-RABEPK rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: U87-MG Whole Cell Lysate Lane D: Jurkat 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: 41 kDa Observed band size: 45 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-RABEPK antibody	RABEPK (Rab9 Effector Protein With Kelch Motifs) is a Protein Coding gene. The RABEPK gene, located on 9q33.3, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, rice, and frog. An important paralog of this gene is HCFC1. RABEPK is a Rab9 effector required for endosome to trans-Golgi network (TGN) transport. RABEPK interacts preferentially with the active (GTP-bound) form of RAB9 GTPase and participates in mannose 6-phosphate receptor trafficking from endosomes to the trans-Golgi network (TGN). RABEPK is widely expressed in the liver, testis, and other tissues. Among its related pathways are Retrograde transport at the Trans-Golgi-Network and Golgi-to-ER retrograde transport. 234 organisms have orthologs with the human gene RABEPK.
References	Ikonomov OC, et al. (2003) Active pikfyve associates with and promotes the membrane attachment of the late endosome-to-trans-golgi network transport factor rab9 effector p40. J Biol Chem 278 (51): 50863-50871. Brass AL, et al. (2008) Identification of host proteins required for hiv infection through a functional genomic screen. Science 319 (5865): 921-926. Aivazian D, et al. (2006) Tip47 is a key effector for rab9 localization. J Cell Biol 173 (6): 917-926.

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.