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Anti-RAB14 Picoband Antibody

Catalog # ABO12501

Specification

Anti-RAB14 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P61106
Host	**Rabbit**
Reactivity	**Human, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Ras-related protein Rab-14(RAB14) detection. Tested with WB in Human;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-RAB14 Picoband Antibody - Additional Information

Gene ID 51552

Other Names
Ras-related protein Rab-14, RAB14

Calculated MW
23897 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Recycling endosome . Early endosome membrane ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus membrane ; Lipid-anchor ; Cytoplasmic side . Golgi apparatus, trans-Golgi network membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasmic vesicle, phagosome . Recruited to recycling endosomes by DENND6A (PubMed:22595670). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211). .

Protein Name
Ras-related protein Rab-14

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human RAB14 (124-153aa NKADLEAQRDVTYEEAKQFAEENGLLFLEA), identical to the related mouse and rat sequences.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-RAB14 Picoband Antibody - Protein Information

Name RAB14

Function
Involved in membrane trafficking between the Golgi complex and endosomes during early embryonic development. Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. May act by modulating the kinesin KIF16B-cargo association to endosomes (By similarity). Regulates, together with its guanine nucleotide exchange factor DENND6A, the specific endocytic transport of ADAM10, N-cadherin/CDH2 shedding and cell-cell adhesion.

Cellular Location
Recycling endosome. Early endosome membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus, trans-Golgi network membrane; Lipid-anchor; Cytoplasmic side. Cytoplasmic vesicle, phagosome. Note=Recruited to recycling endosomes by DENND6A (PubMed:22595670). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211).

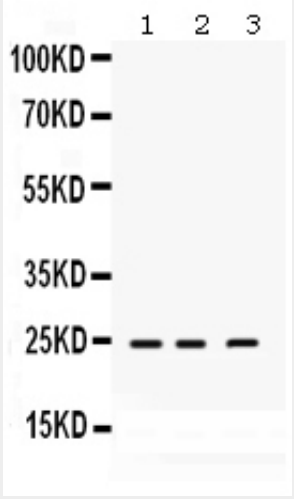
Anti-RAB14 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-RAB14 Picoband Antibody - Images

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Anti-RAB14 Picoband antibody, ABO12501, Western blottingAll lanes: Anti RAB14 (ABO12501) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: RAJI Whole Cell Lysate at 40ugLane 3: SMMC Whole Cell Lysate at 40ugPredicted bind size: 24KDObserved bind size: 24KD

Anti-RAB14 Picoband Antibody - Background

Ras-related protein Rab-14 is a protein that in humans is encoded by the RAB14 gene. It is mapped to 9q33.2 based on an alignment of the RAB14 sequence with the genomic sequence. RAB14 belongs to the large RAB family of low molecular mass GTPases that are involved in intracellular membrane trafficking. These proteins act as molecular switches that flip between an inactive GDP-bound state and an active GTP-bound state in which they recruit downstream effector proteins onto membranes.