

# Anti-RAB14 Antibody

Rabbit polyclonal antibody to RAB14  
Catalog # AP59951

## Product Information

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Application	WB
Primary Accession	<a href="#">P61106</a>
Other Accession	<a href="#">Q91V41</a>
Reactivity	Human, Mouse, Rat, Monkey, Pig, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23897

## Additional Information

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Gene ID	51552
Other Names	Ras-related protein Rab-14
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RAB14. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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Name	RAB14 ( <a href="#">HGNC:16524</a> )
Function	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed: <a href="#">22595670</a> ). RAB14 is involved in membrane trafficking between the Golgi complex and endosomes during early embryonic development (By similarity). 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 (PubMed:[22595670](#)). Mediates endosomal tethering and fusion through the interaction with RUFY1 and RAB4B (PubMed:[20534812](#)). Interaction with RAB11FIP1 may function in the process of neurite formation (PubMed:[26032412](#)).

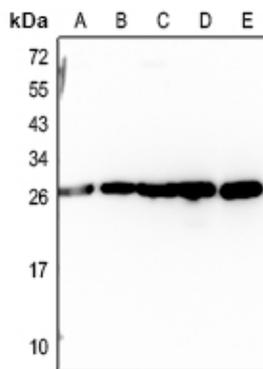
### Cellular Location

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. Cytoplasmic vesicle. Note=Recruited to recycling endosomes by DENND6A (PubMed:22595670). Recruited to phagosomes containing S.aureus or M.tuberculosis (PubMed:21255211). Colocalizes with RAB11FIP1 on punctate vesicles (PubMed:26032412).

### Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RAB14. The exact sequence is proprietary.

### Images



Western blot analysis of RAB14 expression in A375 (A), U2OS (B), DLD (C), mouse testis (D), rat testis (E) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.