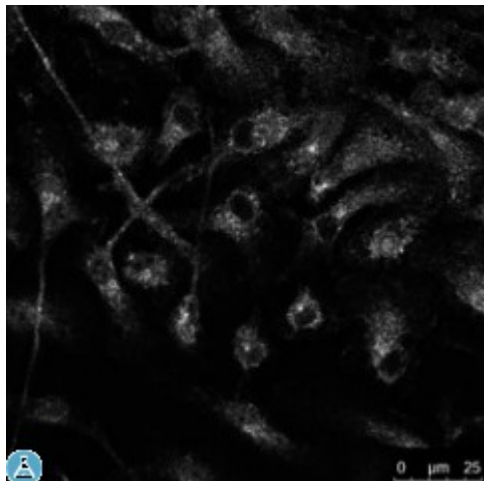


## Anti-Rab14 antibody



### Description

RAB14 belongs to the large RAB family of low molecular weight GTPases that are involved in intracellular membrane trafficking. This protein is expressed at high levels in kidney, lung, brain, spleen and thymus and it is thought to be involved in vesicular trafficking and neurotransmitter release. It is also involved in the biosynthetic/recycling pathway between the Golgi and endosomal compartments.

<b>Model</b>	STJ140070
<b>Host</b>	Goat
<b>Reactivity</b>	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
<b>Applications</b>	IF, WB
<b>Immunogen</b>	Purified recombinant peptide derived from within residues 110 aa to the C-terminus of mouse Rab14 produced in E. coli.
<b>Immunogen Region</b>	C-Term
<b>Gene ID</b>	<a href="#">51552</a>
<b>Gene Symbol</b>	<a href="#">RAB14</a>
<b>Dilution range</b>	Western blot 1:250-1:2,000 Immunofluorescence 1:25-1:200 Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
<b>Specificity</b>	Detects Rab14 by Western blot in transfected cells with GFP-Rab14.
<b>Purification</b>	This antibody is epitope-affinity purified from goat antiserum.
<b>Note</b>	For research use only (RUO).

<b>Protein Name</b>	Ras-related protein Rab-14
<b>Molecular Weight</b>	24 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS, 20% glycerol and 0.05% sodium azide.
<b>Concentration</b>	3 mg/mL
<b>Storage Instruction</b>	Store at -20°, and avoid repeated freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:16524OMIM:612673</a>
<b>Alternative Names</b>	Ras-related protein Rab-14
<b>Function</b>	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 . Regulates, together with its guanine nucleotide exchange factor DENND6A, the specific endocytic transport of ADAM10, N-cadherin/CDH2 shedding and cell-cell adhesion.
<b>Cellular Localization</b>	Recycling endosome Early endosome membrane Golgi apparatus membrane Golgi apparatus, trans-Golgi network membrane Cytoplasmic vesicle, phagosome. Recruited to recycling endosomes by DENND6A . Recruited to phagosomes containing S.aureus or M.tuberculosis .