

## Product datasheet

# Anti-Rab11A antibody ab2921

### 1 References

#### Overview

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<b>Product name</b>	Anti-Rab11A antibody
<b>Description</b>	Goat polyclonal to Rab11A
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Human
<b>Immunogen</b>	Synthetic peptide: TENKPKVQCCQNI , corresponding to C terminal amino acids 204-216 of Human Rab11A. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Mouse Heart lysate
<b>General notes</b>	Principal Names – RAB11A; YL8; RAB11A, member RAS oncogene family; RAB 11A, member oncogene family Official Gene Symbol - RAB11A GenBank Accession Number – NP_004654 LocusLink ID - 55072 (human) Gene Ontology terms - RAB small monomeric GTPase

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 5mg/ml Tris, pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

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Our [Abpromise guarantee](#) covers the use of **ab2921** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 25-28 kDa (predicted molecular weight: 25 kDa). Approx 25-28kDa band seen in Mouse Heart lysate.

## Target

**Function** Regulates endocytic recycling. May exert its functions by interacting with multiple effector proteins in different complexes. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (By similarity). Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes.

**Sequence similarities** Belongs to the small GTPase superfamily. Rab family.

**Cellular localization** Cell membrane. Recycling endosome membrane. Cleavage furrow. Translocates with RAB11FIP2 from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane. Localizes to the cleavage furrow. Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB8A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis.

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