

## **Anti-RAB30 Antibody**

**Catalog # AP53732** 

### **Specification**

# **Anti-RAB30 Antibody - Product Information**

Application WB
Primary Accession O15771
Reactivity Human, Mouse, Rat
Host Rabbit
Clonality Polyclonal
Calculated MW 23058

## **Anti-RAB30 Antibody - Additional Information**

Gene ID 27314

**Other Names** 

Ras-related protein Rab-30

**Target/Specificity** 

Recognizes endogenous levels of RAB30 protein.

**Dilution** 

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

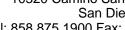
# **Anti-RAB30 Antibody - Protein Information**

Name RAB30 (<u>HGNC:9770</u>)

### **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 sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:<a href="http://www.uniprot.org/citations/22188167" target="\_blank">22188167</a>). RAB30 is required for maintaining the structural integrity of the Golgi apparatus, possibly by mediating interactions with cytoplasmic scaffolding proteins (PubMed:<a href="http://www.uniprot.org/citations/22188167" target="\_blank">22188167</a>). Facilitates lipid homeostasis during fasting by regulating hepatic protein and lipid trafficking in a PPAR-alpha-dependent manner (By similarity). Promotes autophagosome biogenesis during bacterial infection such as group A Streptococcus infection (PubMed:<a







href="http://www.uniprot.org/citations/26771875" target=" blank">26771875</a>).

### **Cellular Location**

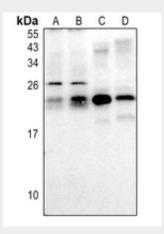
Membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus, trans- Golgi network membrane. Golgi apparatus, cis-Golgi network membrane. Golgi apparatus membrane. Cytoplasm. Cytoplasmic vesicle, autophagosome membrane. Autolysosome membrane. Note=Localized to dynamic membranes fusing to and exiting from the Golgi apparatus (By similarity) Localized to group A Streptococcus (GAS)-containing autophagosome to autolysosome in GAS-infected epithelial cells (PubMed:26771875). Also colocalized with a starvation-induced autophagosome although not required for autophagosome formation during starvation (PubMed:26771875). {ECO:0000250|UniProtKB:Q923S9, ECO:0000269|PubMed:26771875}

## **Anti-RAB30 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-RAB30 Antibody - Images



Western blot analysis of RAB30 expression in LO2 (A), EC9706 (B), mouse brain (C), rat kidney (D) whole cell lysates.

## Anti-RAB30 Antibody - Background

Rabbit polyclonal antibody to RAB30