

## Rab27A Rabbit mAb

Catalog # AP77099

### **Product Information**

**Application** WB, IF, FC, ICC, IP

Primary Accession P51159
Reactivity Human
Rabbit

**Clonality** Monoclonal Antibody

**Isotype** IgG

**Conjugate** Unconjugated

**Immunogen** A synthesized peptide derived from human RAB27A

**Purification** Affinity Chromatography

Calculated MW 24868

### **Additional Information**

**Gene ID** 5873

Other Names RAB27A

**Dilution** WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

#### **Protein Information**

Name RAB27A

Synonyms RAB27

**Function** Small GTPase which cycles between active GTP-bound and inactive

GDP-bound states. In its active state, binds to a variety of effector proteins to regulate homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion (PubMed:30771381). Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse.

**Cellular Location** Membrane; Lipid-anchor. Melanosome. Late endosome. Lysosome.

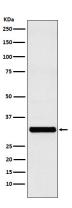
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545, PubMed:17081065). Localizes to endosomal

exocytic vesicles (PubMed:17237785).

#### **Tissue Location**

Found in all the examined tissues except in brain. Low expression was found in thymus, kidney, muscle and placenta Detected in melanocytes, and in most tumor cell lines examined Expressed in cytotoxic T-lymphocytes (CTL) and mast cells

# **Images**



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