

For Research Use Only

RAB27A Recombinant monoclonal antibody

Catalog Number: 87178-4-RR



Basic Information

Catalog Number:

87178-4-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12136

GenBank Accession Number:

BC107680

GeneID (NCBI):

5873

UNIPROT ID:

P51159

Full Name:

RAB27A, member RAS oncogene family

Calculated MW:

221 aa, 25 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

252463B6

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HL-60 cells, Jurkat cells, K-562 cells, HeLa cells

Background Information

Rab27A is a member of a large family of Ras-related small GTPases. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Recent studies suggest that Rab27A is associated with melanosomes in pigmented cells and regulates melanosome transport via its interaction with actin-based cellular motors such as myosin Va and myosin VIIa. RAB27A is also required for regulated secretion in cytotoxic T lymphocytes. Rab27A is implicated in several diseases, including Griscelli syndrome, choroideremia, and the Hermansky-Pudlak syndrome mouse model, gunmetal.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

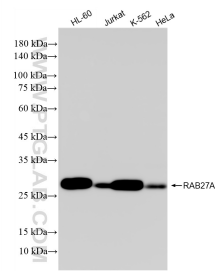
T: 4006900926

E: Proteintech-CN@ptglab.com

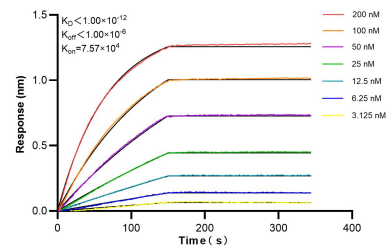
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87178-4-RR (RAB27A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87178-4-RR against Human RAB27A were performed. The affinity constant is below 1 pM.