

For Research Use Only

RAB27A Monoclonal antibody

Catalog Number: 66058-1-Ig **Featured Product**



Basic Information

Catalog Number: 66058-1-Ig	GenBank Accession Number: BC107680	Purification Method: Protein A purification
Size: 150ul , Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5873	CloneNo.: 1C4B8
Source: Mouse	Full Name: RAB27A, member RAS oncogene family	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:5000-1:20000
Isotype: IgG1	Calculated MW: 221 aa, 25 kDa	
Immunogen Catalog Number: AG12382	Observed MW: 27 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HeLa cells, K-562 cells, Jurkat cells, HEK-293 cells,
HL-60 cells, HepG2 cells

IHC : human lymphoma tissue, human colon cancer
tissue, human skeletal muscle tissue

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

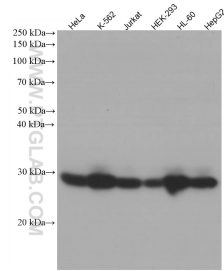
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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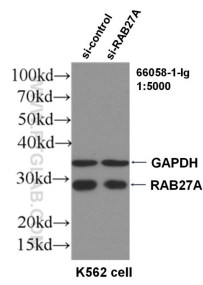
E: proteintech@ptglab.com
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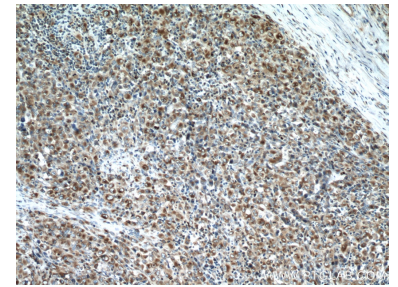
Selected Validation Data



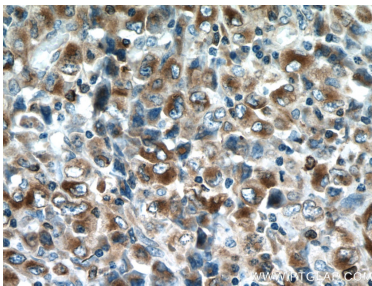
Various lysates were subjected to SDS PAGE followed by western blot with 66058-1-Ig (RAB27A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of RAB27A antibody (66058-1-Ig, 1:5000) with si-Control and si-RAB27A transfected K562 cells.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66058-1-Ig (RAB27A antibody) at dilution of 1:10000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66058-1-Ig (RAB27A antibody) at dilution of 1:10000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).