

For Research Use Only

RAB27A Polyclonal antibody

Catalog Number: 17817-1-AP

Featured Product

51 Publications



Basic Information

Catalog Number: 17817-1-AP	GenBank Accession Number: BC107680	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 5873	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: RAB27A, member RAS oncogene family	
Isotype: IgG	Calculated MW: 221 aa, 25 kDa	
Immunogen Catalog Number: AG12136	Observed MW: 25-27 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human, Chicken, rat, pig, canine

Positive Controls:

WB: HL-60 cells, Apoptosis HeLa cells, human liver tissue, K562, K-562 cells, L02 cells, Jurkat cells

IP: K-562 cells,

IHC: human malignant melanoma tissue, human stomach tissue

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Guo	32989094	J Immunol	WB
Xueqiang Peng	32949647	Biochim Biophys Acta Mol Cell Res	WB
Yuxuan Fu	28910400	PLoS Pathog	WB

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

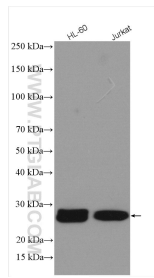
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

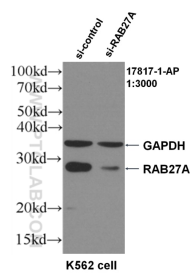
E: proteintech@ptglab.com
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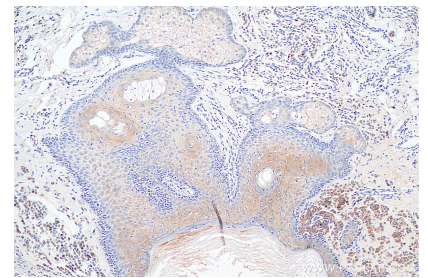
Selected Validation Data



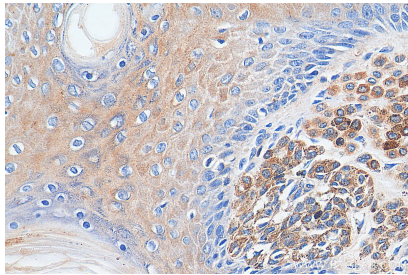
Various lysates were subjected to SDS PAGE followed by western blot with 17817-1-AP (RAB27A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



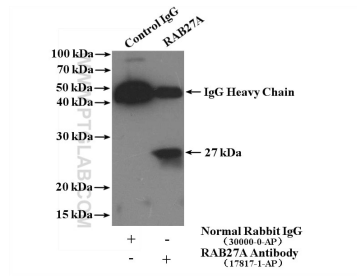
WB result of RAB27A antibody (17817-1-AP, 1:3000) with si-Control and si-RAB27A transfected K562 cells.



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 17817-1-AP (RAB27A antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 17817-1-AP (RAB27A antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-RAB27A (IP:17817-1-AP, 4 μ g; Detection:17817-1-AP 1:1000) with K-562 cells lysate 2760 μ g.