

For Research Use Only

RAB27A Recombinant monoclonal antibody, PBS Only

Catalog Number: 87178-4-PBS



Basic Information

Catalog Number: 87178-4-PBS	GenBank Accession Number: BC107680	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5873	CloneNo.: 252463B6
Source: Rabbit	UNIPROT ID: P51159	
Isotype: IgG	Full Name: RAB27A, member RAS oncogene family	
Immunogen Catalog Number: AG12136	Calculated MW: 221 aa, 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

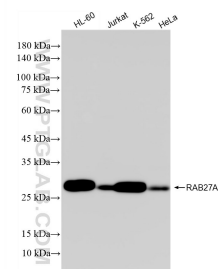
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

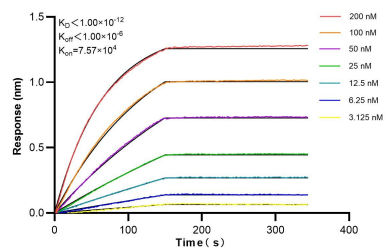
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Selected Validation Data



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. This data was developed using the same antibody clone with 87178-4-PBS in a different storage buffer formulation.



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