

For Research Use Only

# CoraLite® Plus 647-conjugated RAB27B Monoclonal antibody



Catalog Number: CL647-66944

Featured Product

## Basic Information

<b>Catalog Number:</b> CL647-66944	<b>GenBank Accession Number:</b> BC027474	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5874	<b>CloneNo.:</b> 2B9G9
<b>Source:</b> Mouse	<b>Full Name:</b> RAB27B, member RAS oncogene family	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 218 aa, 25 kDa	
<b>Immunogen Catalog Number:</b> AG18756	<b>Observed MW:</b> 25 kDa	

## Applications

**Tested Applications:**  
FC (Intra)  
**Species Specificity:**  
Human

## Background Information

The Rab27 GTPase subfamily consists of two closely related homologs, Rab27a and Rab27b. Northern blot analysis revealed that Rab27b is expressed significantly only in testis, in which the predominant transcript was 1.4 kb in size. An 8-kb mRNA of unknown origin was detected in many tissues. Rab27b is associated with tubulovesicle membranes in the parietal cell and Rab27b may play a role in stimulation-associated membrane recruitment and gastric acid secretion. Rab27b is recently reported as a marker for breast cancer progression. It regulates invasive growth and metastasis in ER-positive breast cancer cell lines, and increased expression is associated with poor prognosis in humans.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

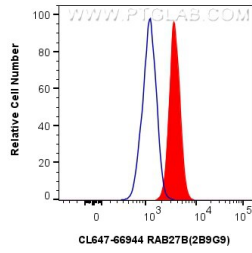
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647 Anti-Human RAB27B (CL647-66944, Clone:2B9G9) (red), or 0.8 ug CoraLite® Plus 647 Mouse IgG2a isotype control (11A1B2) (CL647-66360-2, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).