

For Research Use Only

CoraLite® Plus 488-conjugated RAB3A Monoclonal antibody



Catalog Number:CL488-68052

Basic Information

Catalog Number: CL488-68052	GenBank Accession Number: BC011782	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5864	CloneNo.: 1B12E9
Source: Mouse	UNIPROT ID: P20336	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Full Name: RAB3A, member RAS oncogene family	
Immunogen Catalog Number: AG8148	Calculated MW: 25 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat, pig, rabbit, chicken

Background Information

Rab3A is a small G-protein of the Rab family, that is implicated in vesicle fusion and regulated secretion, particularly in neurotransmitter release. Rab3 subfamily small G proteins (Rab3A, Rab3B, Rab3C, and Rab3D) control the regulated exocytosis in neuronal/secretory cells. Rab3A is the most abundant Rab GTPase in brain, where it is associated with synaptic vesicles. Rab3a is believed to modulate secretion efficiency by stimulating vesicle recruitment to sites of exocytosis and/ or by recruiting regulatory molecules to the docking/ fusion machinery.

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

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

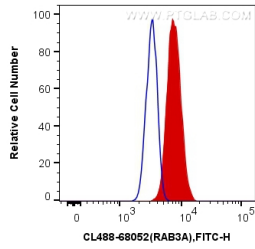
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RAB3A (CL488-68052, Clone:1B12E9) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).