

For Research Use Only

CoraLite® Plus 488-conjugated PLA2G4A Monoclonal antibody

Catalog Number: CL488-68133



Basic Information

Catalog Number: CL488-68133	GenBank Accession Number: BC114340	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5321	CloneNo.: 2D10H8
Source: Mouse	UNIPROT ID: P47712	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: phospholipase A2, group IVA (cytosolic, calcium-dependent)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG32674	Calculated MW: 749 aa, 85 kDa	
	Observed MW: 85-100 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human	

Background Information

PLA2G4A, also named cPLA2 (cytosolic phospholipase A2), is a highly conserved and widely expressed enzyme that can promote lipid mediator production. It is present in the cytosol of resting cells and upon activation by a variety of agonists, undergoes Ca⁺⁺-directed translocation to perinuclear membranes. PLA2G4A plays a major role in membrane lipid remodeling and biosynthesis of lipid mediators of the inflammatory response. It has been reported that the activity and expression levels of PLA2G4A are upregulated in several neurodegenerative diseases. It is a 749 amino acid, 85 kDa protein that migrates at 100-112 kDa in polyacrylamide gels (PMID: 17459165).

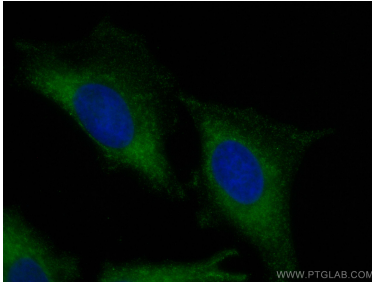
Storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 PLA2G4A antibody (CL488-68133, Clone: 2D10H8) at dilution of 1:200.