

For Research Use Only

CoraLite® Plus 488-conjugated PDE5A Recombinant monoclonal antibody

Catalog Number:CL488-85030



Basic Information

Catalog Number: CL488-85030	GenBank Accession Number: BC126233	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 8654	CloneNo.: 242597B10
Isotype: IgG	UNIPROT ID: O76074	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG18779	Full Name: phosphodiesterase 5A, cGMP-specific	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 875 aa, 100 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : SKOV-3 cells,
Species Specificity: human, mouse, rat	

Background Information

PDE5A (cGMP-binding cGMP-specific phosphodiesterase) plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP. Through alternative splicing, the PDE5A gene produces three proteins (PDE5A1, PDE5A2, and PDE5A3) that differ in their N termini and range in mass from 89 to 105 kDa. (PMID: 25704994; 21215707). A second 70 kDa band was consistently observed in heart tissue that either reflected a splice variant or proteolytic fragment of PDE5A. (PMID: 15576651).

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

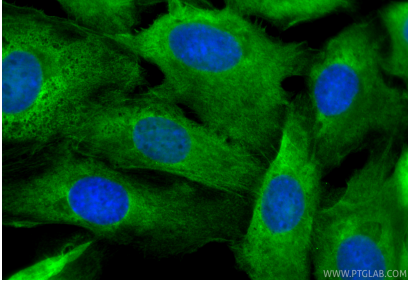
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using CoraLite® Plus 488 PDE5A antibody (CL488-85030, Clone: 242597B10) at dilution of 1:200.