

For Research Use Only

CoraLite® Plus 488-conjugated PTGES3 Monoclonal antibody

Catalog Number: CL488-67736



Basic Information

Catalog Number: CL488-67736	GenBank Accession Number: BC003005	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10728	CloneNo.: 3C11D11
Source: Mouse	UNIPROT ID: Q15185	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: prostaglandin E synthase 3 (cytosolic)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7870	Calculated MW: 19 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat, pig	

Background Information

P23, encoded by the gene PTGES3, plays a key role in glucocorticoid signaling and was increased at the mRNA level in the DLPFC in individuals with schizophrenia (PMID: 24345775). In the GR heterocomplex in vitro, p23 is an obligatory co-factor¹⁹ and is the limiting component of the complex⁴⁴, functioning to stabilize the interaction of the complex with GR in the cytoplasm. Paradoxically, p23 also acts in the nucleus to inhibit GR-mediated gene transcription and disassemble GR transcriptional machinery in the nucleus (PMID: 12077419). In vivo, p23 is critical for appropriate glucocorticoid responsiveness (PMID: 17000766).

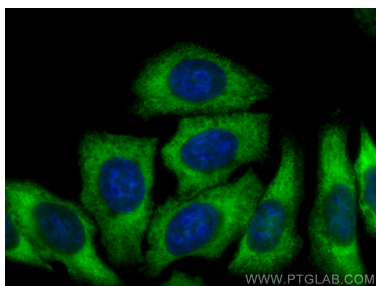
Storage

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

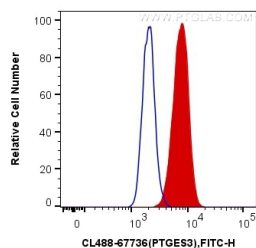
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PTGES3 antibody (CL488-67736, Clone: 3C11D11) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PTGES3 (CL488-67736, Clone: 3C11D11) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).