For Research Use Only

CoraLite® Plus 488-conjugated PTGES3 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-67736

Basic Information

Catalog Number:
CL488-67736

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7870

GenBank Accession Number:
BC003005

GeneID (NCBI):
10728

UNIPROT ID:
Q15185

Full Name:
prostaglandin E synthase 3 (cytosolic)

Calculated MW:
19 kDa

Observed MW:
22 kDa

Purification Method:
Protein G purification

CloneNo.:
3C11D11

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat, pig

Positive Controls:

IF/ICC : HepG2 cells,

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.
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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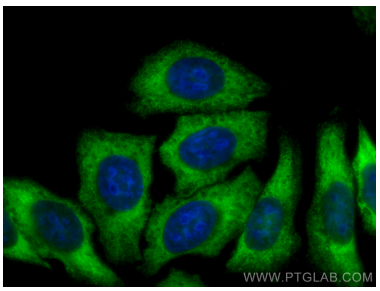
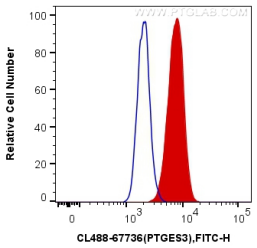
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PTGES3 antibody (CL488-67736, Clone: 3C11D11) at dilution of 1:200.



1X10^6 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).