

For Research Use Only

CoraLite®594-conjugated PTGS1 Monoclonal antibody



Catalog Number:CL594-67346

Basic Information

Catalog Number:

CL594-67346

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28280

GenBank Accession Number:

BC029840

GeneID (NCBI):

5742

UNIPROT ID:

P23219

Full Name:

prostaglandin-endoperoxide synthase
1 (prostaglandin G/H synthase and
cyclooxygenase)

Calculated MW:

599 aa, 69 kDa

Observed MW:

60-72 kDa

Purification Method:

Protein A purification

CloneNo.:

1F12G7

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HeLa cells,

Background Information

PTGS1(Prostaglandin G/H synthase 1) belongs to the prostaglandin G/H synthase family and catalyzes the conversion of arachidonic acid to prostaglandin H₂, which is subsequently metabolized to various biologically active prostaglandins. It is also named as COX1(Cyclooxygenase-1). There is no PTGS1 expression in fetal samples (prostate, seminal vesicles, or ejaculatory ducts), and only minimal expression in adult tissues (PMID: 10999846). PTGS1 has some isoforms with MW of 56-72 kD and PTGS1 can form homodimer.

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:

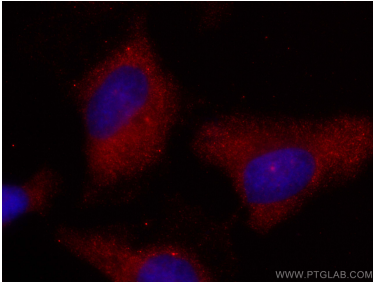
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite@594 PTGS1 antibody (CL594-67346, Clone: 1F12G7) at dilution of 1:200.