For Research Use Only

CoraLite®594-conjugated COX2/ Cyclooxygenase 2/ PTGS2 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL594-66351

Basic Information

Catalog Number:
CL594-66351

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG24721

GenBank Accession Number:
BC013734

GeneID (NCBI):
5743

UNIPROT ID:
P35354

Full Name:
prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)

Calculated MW:
604 aa, 68 kDa

Observed MW:
66-70 kDa

Purification Method:
Protein A purification

CloneNo.:
3G2B9

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF

Species Specificity:
human

Positive Controls:

IF : mouse lung tissue,

Background Information

COX2 (Prostaglandin G/H synthase 2, PTGS2) mediates the formation of prostaglandins from arachidonate. Its subunit structure is homodimer. The fully N-glycosylated PTGS2 is 72-74 kDa and the aglycosylated is 66 kDa (PMID:19656660). It also expresses a band of 39 kDa after unspecific cleavage (PMID:17509125). The 50 kDa band of fragmented PTGS2 has also previously been detected in AD brains (PMID:14724276).

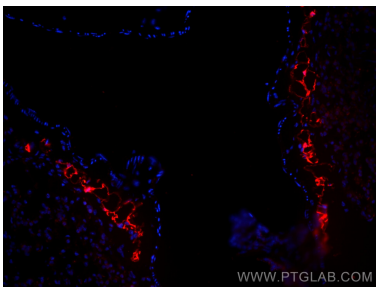
Storage

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

***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using CoraLite®594 COX2/ Cyclooxygenase 2/ PTGS2 antibody (CL594-66351, Clone: 3G2B9) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).