

For Research Use Only

COX2/ Cyclooxygenase 2/ PTGS2 Monoclonal antibody, PBS Only



Catalog Number: 66351-1-PBS

Featured Product

Basic Information

Catalog Number:

66351-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, IF, IHC, ELISA

Species Specificity:

human, mouse

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. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

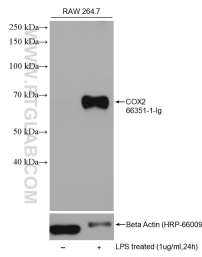
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

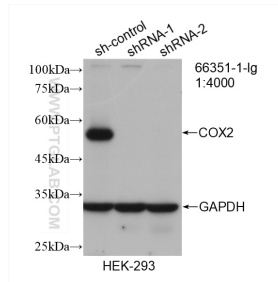
E: proteintech@ptglab.com
W: ptglab.com

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

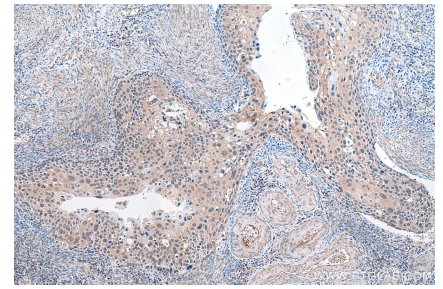
Selected Validation Data



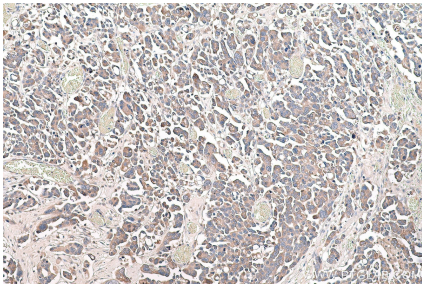
Non-treated and LPS treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 66351-1-Ig (COX2/ Cyclooxygenase 2/ PTGS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66351-1-PBS in a different storage buffer formulation.



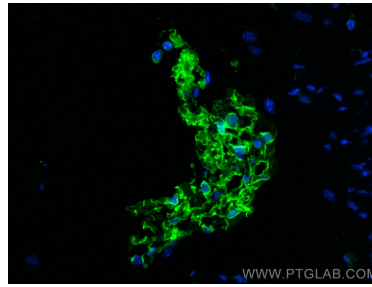
WB result of COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-control and sh-COX2/ Cyclooxygenase 2/ PTGS2 transfected HEK-293 cells. This data was developed using the same antibody clone with 66351-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66351-1-Ig (COX2/ Cyclooxygenase 2/ PTGS2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66351-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66351-1-Ig (COX2/ Cyclooxygenase 2/ PTGS2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66351-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig, Clone: 3G2B9) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66351-1-PBS in a different storage buffer formulation.