

Nur für Forschungszwecke

COX2/ Cyclooxygenase 2/ PTGS2 Monoklonaler Antikörper



Katalog-Nr.:66351-1-Ig

Vorgestelltes Produkt

83 Publikationen

Allgemeine Informationen

Katalog-Nr.: 66351-1-Ig	GenBank-Zugangsnummer: BC013734	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 2000 µg/ml von5743	GeneID (NCBI): 5743	CloneNo.: 3G2B9
Nanodrop;	Vollständiger Name: prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	Empfohlene Verdünnungen: WB 1:1000-1:8000 IHC 1:100-1:400 IF 1:200-1:800
Wirt: Maus	Berechnete Masse: 604 aa, 68 kDa	
Isotyp: IgG2a	Beobachtete Masse: 66-70 kDa	
Immunogen Katalognummer: AG24721		

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : RAW 264.7-Zellen, HEK-293-Zellen, mit LPS behandelte HeLa-Zellen, mit LPS behandelte RAW 264.7-Zellen

IHC : humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe

IF : Mauslungengewebe, humanes Mammakarzinomgewebe

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shan-Shan Zhang	36235633	Nutrients	WB
Yue Li	36234847	Molecules	WB
Zixuan Liu	33017703	Chemosphere	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

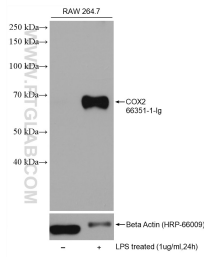
For technical support and original validation data for this product please contact:

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

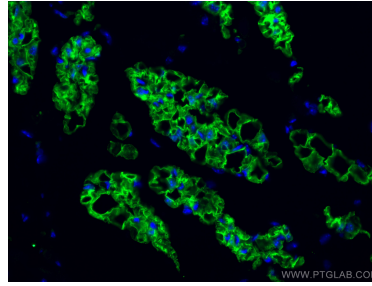
E: proteintech@ptglab.com
W: ptglab.com

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

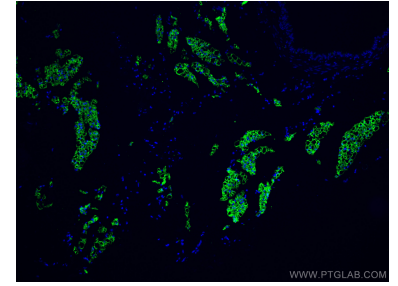
Ausgewählte Validierungsdaten



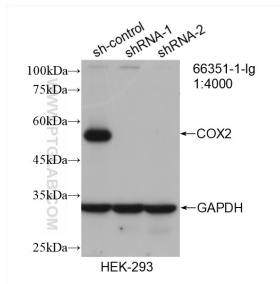
Non-treated and LPS treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 66351-1-Ig (COX2/ Cyclooxygenase 2/ PTGS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



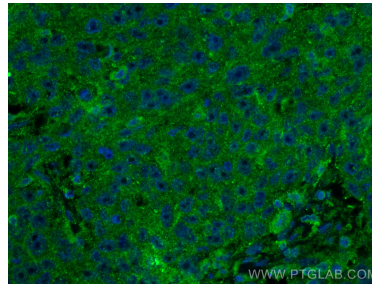
Immunofluorescent analysis of (4% PFA) fixed mouse lung tissue using COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig, Clone: 3G2B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



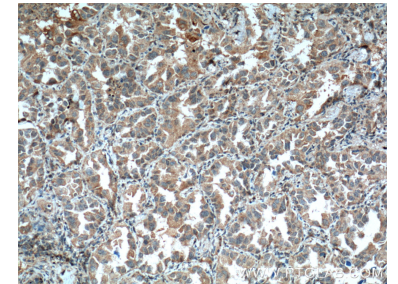
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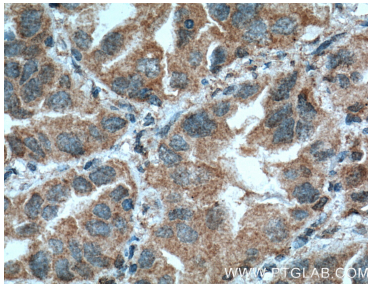
WB result of COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-control and sh-COX2/ Cyclooxygenase 2/ PTGS2 transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer 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).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66351-1-Ig (COX2/ Cyclooxygenase 2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66351-1-Ig (COX2/ Cyclooxygenase 2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).