

À des fins de recherche uniquement

Anticorps Monoclonal anti-COX2/ Cyclooxygenase 2/ PTGS2



Numéro de catalogue: 66351-1-Ig

Phare

94 Publications

Informations de base

Numéro de catalogue: 66351-1-Ig	Numéro d'acquisition GenBank: BC013734	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2000 µg/ml by Nanodrop;	Identification du gène (NCBI): 5743	CloneNo.: 3G2B9
Hôte: Mouse	Nom complet: prostaglandin-endoperoxi de synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	Dilutions recommandées: WB 1:1000-1:8000 IHC 1:100-1:400 IF 1:200-1:800
Isotype: IgG2a	MW calculé 604 aa, 68 kDa	
Immunogen Catalog Number: AG24721	MW observés: 66-70 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules RAW 264.7, cellules HEK-293, cellules HeLa traitées au LPS, cellules RAW 264.7 traitées au LPS

IHC : tissu de cancer du poumon humain, tissu de cancer du sein humain

IF : tissu pulmonaire de souris, tissu de cancer du sein humain

Informations générales

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).

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

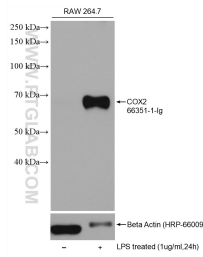
For technical support and original validation data for this product please contact:

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

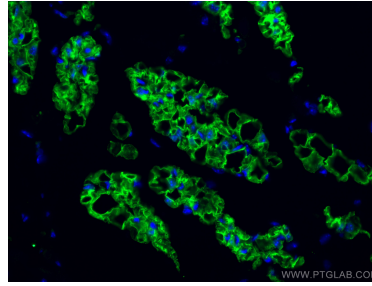
E: proteintech@ptglab.com
W: ptglab.com

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

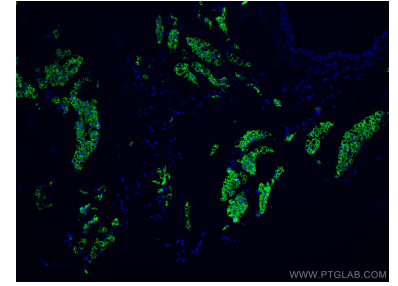
Données de validation sélectionnées



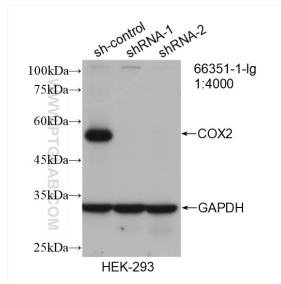
Non-treated and LPS treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 66351-1-Ig (COX2/ Cyclooxygenase 2/ PTGS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



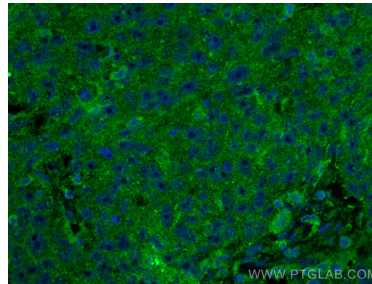
Immunofluorescent analysis of (4% PFA) fixed mouse lung tissue using COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig, Clone: 3G2B9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



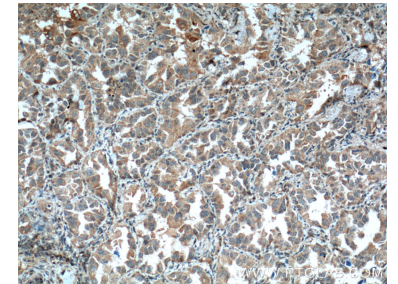
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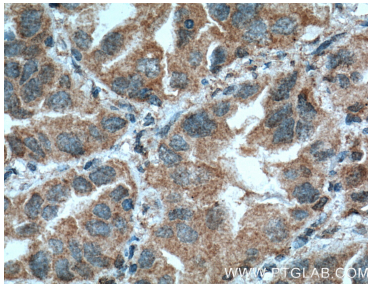
WB result of COX2/ Cyclooxygenase 2/ PTGS2 antibody (66351-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-control and sh-COX2/ Cyclooxygenase 2/ PTGS2 transfected HEK-293 cells.



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).