Cyclooxygenase 2 Rabbit Polyclonal Antibody

Catalog No: #38024

Package Size: #38024-1 50ul   #38024-2 100ul

Description

Product Name	Cyclooxygenase 2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity purification using immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The COX2 Rabbit Polyclonal antibody detects endogenouse COX2 proteins..
Target Name	Cyclooxygenase 2
Other Names	Prostaglandin G/H synthase 2;PHS II;PTGS2
Accession No.	Swiss-Prot#:P35354
SDS-PAGE MW	69kd
Concentration	1.0mg/ml
Formulation	IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000

Images
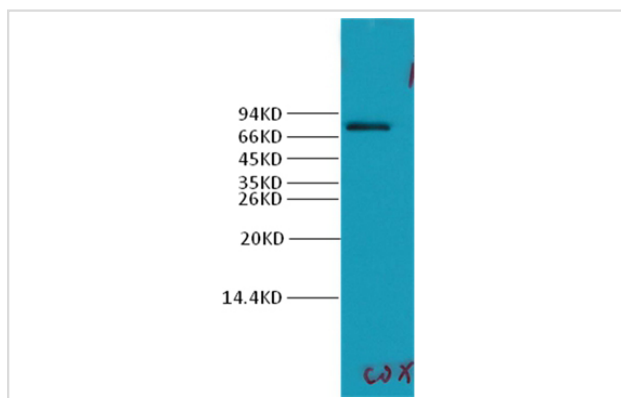
Western blot analysis of Hela cells, using #38024 diluted at 1:1,000.

Background

Prostaglandin-endoperoxide synthase 2, also known as cyclooxygenase-2 or simply COX-2, is an enzyme that in humans is encoded by the PTGS2 gene. There are two isozymes of COX encoded by distinct gene products: a constitutive COX-1 (this enzyme) and an inducible COX-2, which differ in their regulation of expression and tissue distribution. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. A splice variant of COX-1 termed COX-3 was identified in the CNS of dogs, but does not result in a functional protein in humans. Two

smaller COX-1-derived proteins (the partial COX-1 proteins PCOX-1A and PCOX-1B) have also been discovered, but their precise roles are yet to be described.

Published Papers

el at., Renal Cell Carcinoma With Synchronous Ipsilateral Urothelial Carcinoma of the Renal Pelvis.In Oncol Lett on 2017 Jun by Qun Lu , Junlong Zhuang,et al..PMID: 28588718, , (2017)

PMID:28588718

Note: This product is for in vitro research use only and is not intended for use in humans or animals.