



COX2/Cyclooxygenase 2 Rabbit Polyclonal Antibody

E12-092

Catalog Number: E12-092**Amount:** 100µg/100µl

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.

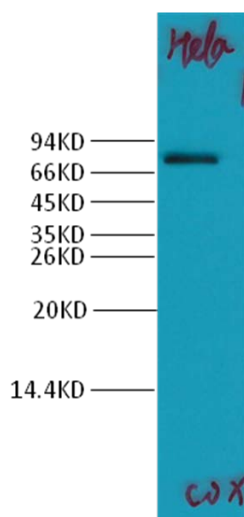
Form of Antibody: IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year. Do not aliquot the antibody.

Specificity/Sensitivity: The COX2 Rabbit Polyclonal antibody detects endogenous COX2 proteins..

Reactivity: H

Applications: WB: 1:1,000 IHC: 1:100



Western blot analysis of Hela with COX2 Rabbit Polyclonal antibody diluted at 1:1,000.

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