



ELK Biotechnology

COX2/Cyclooxygenase 2 Rabbit pAb

Catalog NO.: EA024

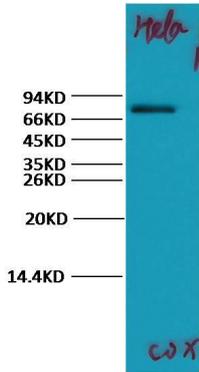
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Overview

Product name	COX2/Cyclooxygenase 2 Rabbit polyclonal antibody
Source	Rabbit
Applications	WB, IHC
Species reactivity	Human
Recommended dilutions	WesternBlot:1/1000 Immunohistochemistry:1/100 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kDa
GeneID (Human)	5743
Human Swiss-Prot No.	P35354
Cellular localization	N/A
Alternative Names	Cyclooxygenase 2, GRIPGHS, hCox 2, PGG/HS, PGH synthase 2, PGHS 2, PHS 2, PHS II, Prostaglandin G/H synthase 2, Prostaglandin H2 synthase 2, PTGS2
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.

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



Western blot analysis of extracts from HeLa (Lane 1), H460 (Lane 2), MG63 (Lane 3), Min6 (Lane 4), using COX2 diluted at 1:1,000.

