

COX2/Cyclooxygenase 2 Rabbit pAb

Cat No: HR1APEA024

For research use only

Overview

Product Name	COX2/Cyclooxygenase 2 Rabbit pAb
Source	Rabbit
Applications	WB, IHC
Species Reactivity	Human
Recommended Dilutions	WB 1:1,000 IHC 1:100
Immunogen	
Species	Rabbit
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	1mg/ml
Observed band	70kDa
GeneID?Human?	5743
Human Swiss-Prot No.	
Cellular localization	
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.