



Anti-COX1/Cyclooxygenase 1 Rabbit Polyclonal Antibody

Catalog No.	EM42066-01	EM42066-02
Size	50μl	100μl
Species	Human	Molecular Weight: 70KD

Background: Cyclooxygenase-1 (COX-1), also known as prostaglandin G/H synthase 1, prostaglandin-endoperoxide synthase 1 or prostaglandin H2 synthase 1, is an enzyme that in humans is encoded by the *PTGS1* 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.

Specificity: The COX1 Rabbit Polyclonal antibody detects endogenous COX1 proteins.

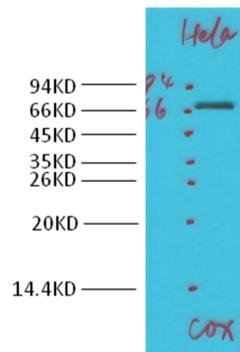
Application: WB: 1:1,000 IHC: 1:100

Optimal dilutions/concentrations should be determined by the end user.

Form: Liquid ,1mg/ml

Storage buffer: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Storage: Store at -20°C. Do not aliquot the antibody.



Western blot analysis of HeLa with COX1 Rabbit Polyclonal antibody diluted at 1:1,000.