

COX2/Cyclooxygenase 2 Mouse Monoclonal Antibody(3D4)

Catalog TDY200C TDY200F

Tel: 010-82908854

Quantity 50 μ L 100 μ L

Free: 400-0620-621

Web: www.tdybio.com

For research use only.

Applications	Species	Cross-Reactivity	Molecular Weight	Isotype
IHC	H, R, M		74KD	IgG1

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

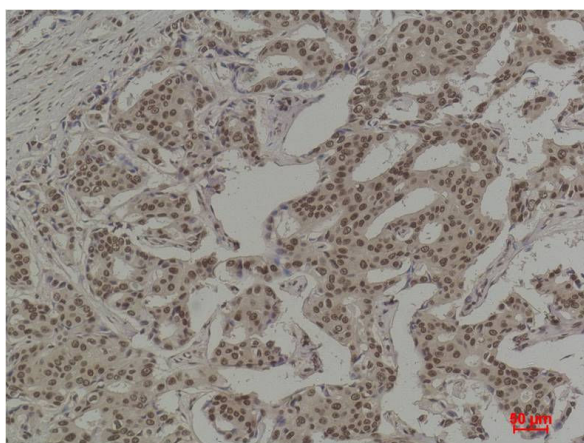
Recommended dilutions: IHC: 1:50-100

Optimal dilutions should be determined by the end user.

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

Alternative Names: PTGS2 antibody, Prostaglandin H2 synthase 2 antibody, PGHS 2 antibody, Glucocorticoid-regulated inflammatory cyclooxygenase antibody

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.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using COX2/Cyclooxygenase 2 (TDY200) Mouse mAb diluted at 1:100.