

COX2/Cyclooxygenase 2 Mouse Monoclonal Antibody(6A12)

Catalog TDY676C TDY676F

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Quantity 50μL 100μL

Entrez-Gene ID:5743, Swiss-Prot Acc.P35354

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.**

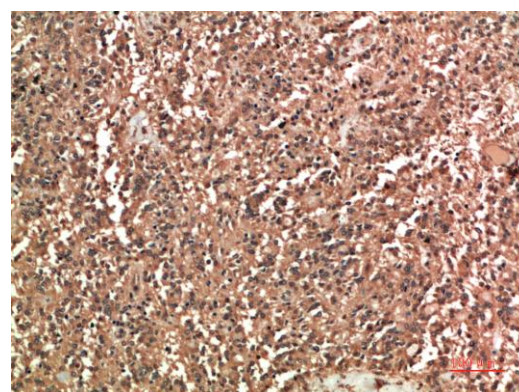
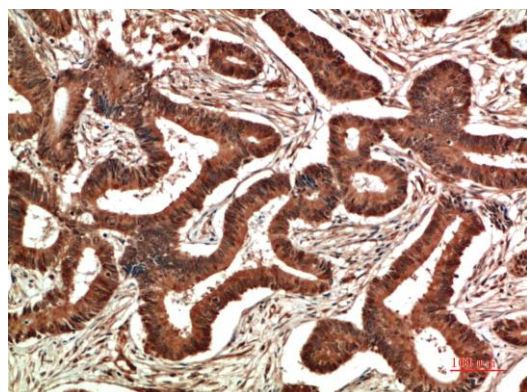
Recommended dilutions: IHC: 1:100-200

Optimal dilutions should be determined by the end user.

Specificity: The COX2 Mouse Monoclonal 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 Colon Carcinoma Tissue using COX-2 (TDY676) Mouse mAb diluted at 1:200

Immunohistochemical analysis of paraffin-embedded Human Ovarian Carcinoma Tissue using COX-2 (TDY676) Mouse mAb diluted at 1:200