

CYCLOOXYGENASE 2 RABBIT MAB

Cat.#: N262058

Product Name: Anti-Cyclooxygenase 2 Rabbit Monoclonal Antibody

Synonyms: COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS

UNIPROT ID: P35354

Background: Converts arachidonate to prostaglandin H₂ (PGH₂), a committed step in prostanoid synthesis. Constitutively expressed in some tissues in physiological conditions, such as the endothelium, kidney and brain, and in pathological conditions, such as in cancer. PTGS2 is responsible for production of inflammatory prostaglandins. Up-regulation of PTGS2 is also associated with increased cell adhesion, phenotypic changes, resistance to apoptosis and tumor angiogenesis. In cancer cells, PTGS2 is a key step in the production of prostaglandin E₂ (PGE₂), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

Immunogen: A synthetic peptide of human COX2

Applications: WB,IHC-P

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R04-311

MW: Calculated MW: 69 kDa; Observed MW: 69 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

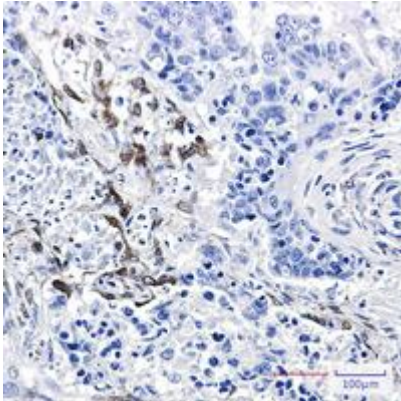
Conjugation: Unconjugated

Modification: Unmodified

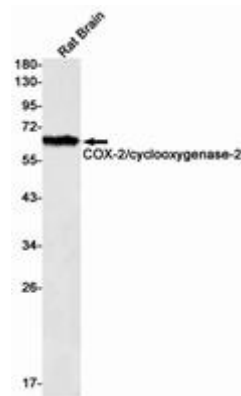
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using COX2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of COX2/cyclooxygenase-2 in rat Brain lysates using Cyclooxygenase 2 antibody.