

## CYCLOOXYGENASE 2 RABBIT MAB

**Cat.#:** N262059

**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 H<sub>2</sub> (PGH<sub>2</sub>), 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 E<sub>2</sub> (PGE<sub>2</sub>), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

**Immunogen:** Recombinant protein of human COX2/Cyclooxygenase 2

**Applications:** WB,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R05-213

**MW:** Calculated MW: 69 kDa; Observed MW: 74 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse

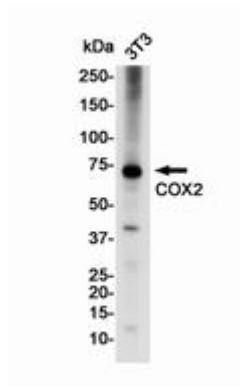
**Conjugation:** Unconjugated

**Modification:** Unmodified

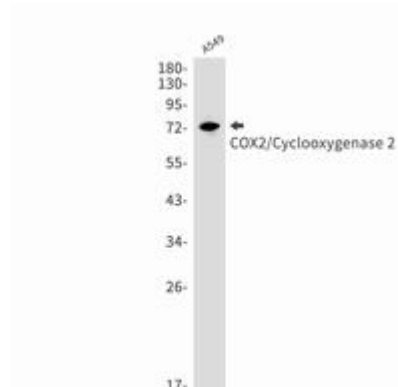
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cardiovascular

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



Western blot analysis of COX2/Cyclooxygenase 2 in 3T3 lysates using COX2/Cyclooxygenase 2 antibody.



Western blot analysis of COX2/Cyclooxygenase 2 in A549 lysates using Cyclooxygenase 2 antibody.