

## PTGS2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:** 68kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant Protein of human PTGS2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

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

**Catalog #:** A5787

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 5743

**Isotype:** IgG

**Swiss Prot:** P35354

**Purity:** Affinity purification

For research use only.

**Background:**

Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis.

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