

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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