

## PTGS1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

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

**Calculated MW:** 69kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human PTGS1

**Storage Buffer:**

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

**Synonym:**

COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1;

**Catalog #:** A7341

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 5742

**Isotype:** IgG

**Swiss Prot:** P23219

**Purity:** Affinity purification

For research use only.

**Background:**

This is one of two genes encoding similar enzymes that catalyze the conversion of arachinodate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has been identified as a moonlighting protein. The protein may promote cell proliferation during tumor progression. Alternative splicing results in multiple transcript variants.

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