

# Anti-Cyclooxygenase 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

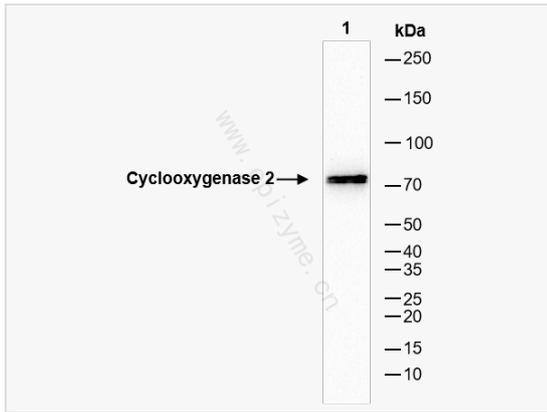
Catalog # R010710

## Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	85L34M69
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human COX2/Cyclooxygenase 2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cyclooxygenase 2 Rabbit mAb [85L34M69] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	COX 2, COX-2, COX2, Cyclooxygenase 2, Cyclooxygenase 2b, Cyclooxygenase, Cyclooxygenase-2, Cyclooxygenase2, EC 1.14.99.1, fj02a10, Glucocorticoid-regulated inflammatory cyclooxygenase, Glucocorticoid-regulated inflammatory Prostaglandin G/H synthase, GRIPGHS, hCox 2, Macrophage activation-associated marker protein P71/73, OTTHUMP00000033524, PES-2, PGG/HS, PGH synthase 2, PGH2_HUMAN, PGHS 2, PGHS-2, PGHS2, PHS 2, PHS II, PHS2, Prostaglandin endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase), Prostaglandin endoperoxide synthase 2, Prostaglandin G/H synthase 2, Prostaglandin G/H synthase 2 precursor, Prostaglandin G/H synthase and cyclooxygenase, Prostaglandin G/H synthase, Prostaglandin H2 synthase 2, prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase), Prostaglandin-endoperoxide synthase 2, PTGS2, ptgs2a, TIS10, TIS10 protein, unip1239, wu:fj02a10.
Calculated MW	Calculated MW: 69 kDa; Observed MW: 74 kDa
Uniprot ID	P35354
Gene ID	5743
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. [provided by RefSeq, Feb 2009]



Western Blot - Anti-Cyclooxygenase 2 Rabbit mAb [85L34M69]

All lanes: R010710 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 69 kDa

Observed band size: 74 kDa

Developed using the ECL technique (Cat. No. SQ201).