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Product datasheet for TA805311

COX2 (PTGS2) Mouse Monoclonal Antibody [Clone ID: OTI2F10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F10
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 18-260 of human PTGS2 (NP_000954) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67.2 kDa
Gene Name:	prostaglandin-endoperoxide synthase 2
Database Link:	NP_000954 Entrez Gene 19225 MouseEntrez Gene 29527 RatEntrez Gene 5743 Human P35354

View online »

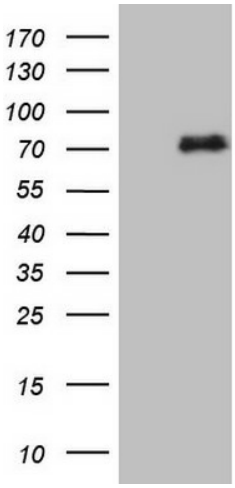
Background: Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression 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]

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

Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Pathways in cancer, Small cell lung cancer, VEGF signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PTGS2 ([RC202245], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PTGS2.