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Product datasheet for TA385086M

COX2 (PTGS2) Rabbit Monoclonal Antibody [Clone ID: R05-2I3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R05-2I3
Applications:	IP, WB
Recommended Dilution:	WB: 1/1000 IP: 1/20
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human COX2/Cyclooxygenase 2
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 69 kDa; Observed MW: 74 kDa
Gene Name:	prostaglandin-endoperoxide synthase 2
Database Link:	Entrez Gene 5743 Human P35354
Background:	Swiss-Prot Acc.P35354.Converts arachidonate to prostaglandin H2 (PGH2), a committed step in prostanoid synthesis (PubMed:26859324, PubMed:27226593). Constitutively expressed in some tissues in physiological conditions, such as the endothelium, kidney and brain, and in pathological conditions, such as in cancer. PTGS2 is responsible for production of inflammatory prostaglandins. Up-regulation of PTGS2 is also associated with increased cell adhesion, phenotypic changes, resistance to apoptosis and tumor angiogenesis. In cancer cells, PTGS2 is a key step in the production of prostaglandin E2 (PGE2), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

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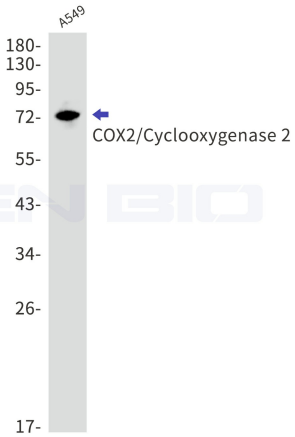
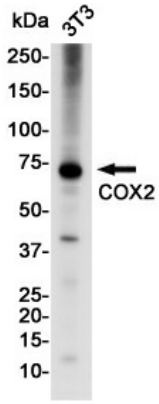
Synonyms: COX-2; COX2; Cyclooxygenase-2; GRIPGHS; hCox-2; PGG/HS; PGHS-2; PHS-2

Product images:



Western blot detection of COX2/Cyclooxygenase 2 in A549 lysates using COX2/Cyclooxygenase 2 antibody.Predicted band size:69kDa.Observed band size:74kDa.



Western blot detection of COX2/Cyclooxygenase 2 in 3T3 cell lysates using COX2/Cyclooxygenase 2 Rabbit mAb(1:1000 diluted).Predicted band size:69KDa.Observed band size:74KDa.