

COX2 Antibody

Rabbit mAb

Catalog # AP90583

Product Information

Application	WB, IF, ICC
Primary Accession	P35354
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	COX2; COX-2; Cyclooxygenase 2; PGH2; PGHS2; PHS2; TIS10; PTGS2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	69 KDa

Additional Information

Dilution	WB 1:500~1:1000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human COX2
Description	Converts arachidonate to prostaglandin H2 (PGH2), a committed step in prostanoid synthesis. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Images

Western blot analysis of COX2 expression in RAW264.7 cell lysate treated with LPS.

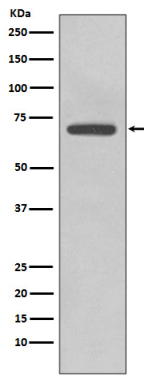


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Immunofluorescent analysis of Hela cells, using COX2 Antibody.

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Zinc inhibited LPS-induced inflammatory responses by upregulating A20 expression in microglia BV2 cells.
-Journal of Affective Disorders

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.