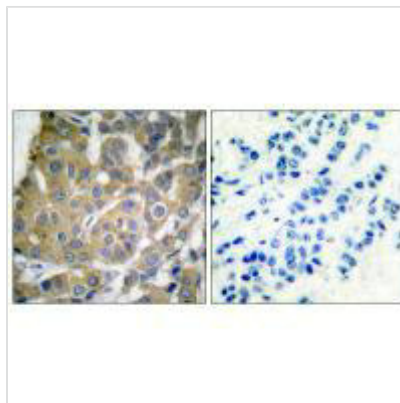




PTGS2 Antibody

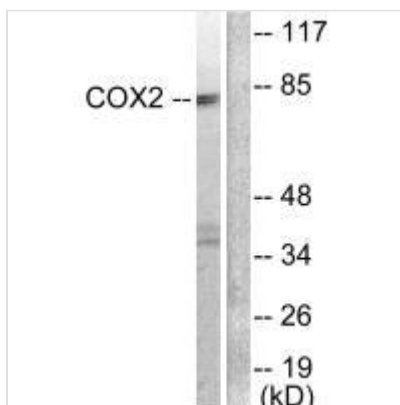
Product Code	CSB-PA997318
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35354
Immunogen	Synthesized peptide derived from Human Cox2.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total Cox2 protein.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:3000,IHC:1:50-1:100,IF:1:100-1:500
Relevance	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. Nathalie Bonnefoy, Mol. Cell. Biol., Apr 2001; 21: 2359 - 2372. Keith P. Choe, J. Exp. Biol., May 2006; 209: 1696 - 1708 D. Shelley Lupold, PNAS, Sep 1999; 96: 11670. Axel J. Baumgarten, AACR Meeting Abstracts, Mar 2004; 2004: 1078.
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	COX2; GRIPGHS; PGHS2; CYCLOOXYGENASE 2; GLUCOCORTICOID-REGULATED INFLAMMATORY PROSTAGLANDIN G/H SYNTHASE
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	PTGS2
Image	



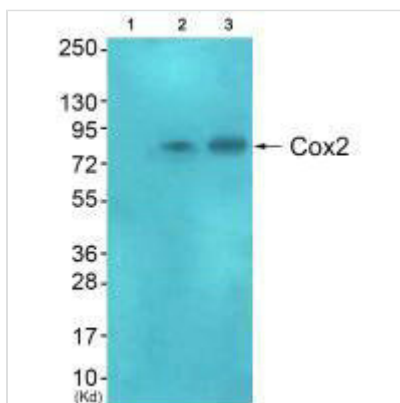
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cox2 antibody.



Immunofluorescence analysis of A549 cells, using Cox2 antibody.



Western blot analysis of extracts from A549 cells, using Cox2 antibody.



Western blot analysis of extracts from HeLa cells (Lane 2), and A549 cells (Lane 3), using Cox2 antibody. The lane on the left is treated with synthesized peptide.