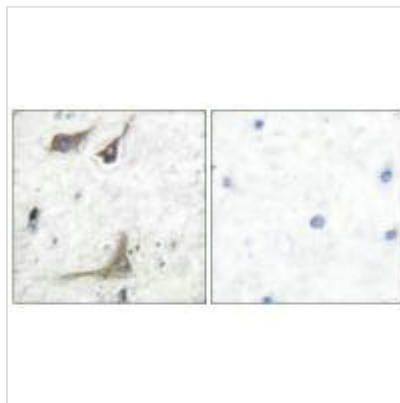


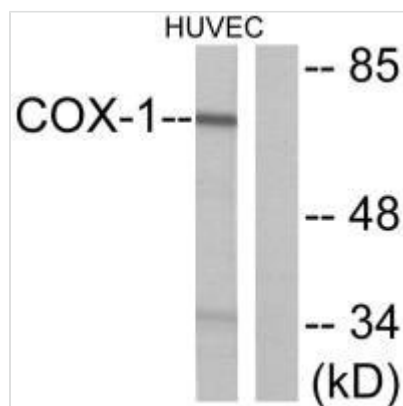


PTGS1 Antibody

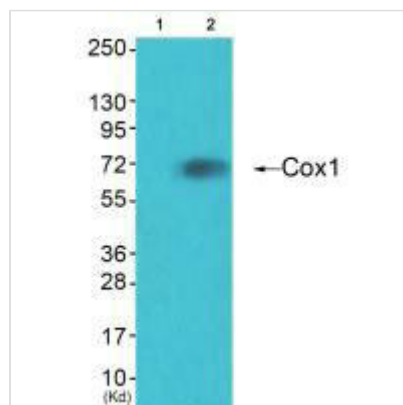
Product Code	CSB-PA164506
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P23219
Immunogen	Synthesized peptide derived from Human COX1.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total COX1 protein.
Tested Applications	ELISA, WB, IHC; WB: 1:500-1:3000, IHC: 1:50-1:100
Relevance	Converts arachidonate to prostaglandin H₂ (PGH₂), a committed step in prostanoid synthesis. Involved in the constitutive production of prostanoids in particular in the stomach and platelets. In gastric epithelial cells, it is a key step in the generation of prostaglandins, such as prostaglandin E₂ (PGE₂), which plays an important role in cytoprotection. In platelets, it is involved in the generation of thromboxane A₂ (TXA₂), which promotes platelet activation and aggregation, vasoconstriction and proliferation of vascular smooth muscle cells. Lawrence M. Szewczuk, J. Biol. Chem., May 2004; 279: 22727 - 22737. Syed R. Baber, Am J Physiol Heart Circ Physiol, Oct 2005; 289: H1476 - H1487. Subhashini Chandrasekharan, J. Lipid Res., Dec 2005; 46: 2636 - 2648. K. Trent Moreland, J. Pharmacol. Exp. T
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	COX3; PCOX1; CYCLOOXYGENASE 1; PARTIAL COX1 PROTEINS; PGHS1 CYCLOOXYGENASE 3
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	PTGS1
Image	



Immunohistochemical analysis of paraffin-embedded human brain tissue using COX1 antibody.



Western blot analysis of extracts from HuvEc cells, using COX1 antibody.



Western blot analysis of extracts from HuvEc cells (Lane 2), using Cox1 antibody. The lane on the left is treated with synthesized peptide.