

COX1 Polyclonal Antibody

Catalog No :	YN5625
Reactivity :	Human
Applications :	WB
Target :	COX1
Fields :	>>Arachidonic acid metabolism;>>Metabolic pathways;>>Platelet activation;>>Serotonergic synapse;>>Regulation of lipolysis in adipocytes
Gene Name :	PTGS1
Protein Name :	Prostaglandin G/H synthase 1
Human Gene Id :	5742
Human Swiss Prot No :	P23219
Mouse Gene Id :	19224
Mouse Swiss Prot No :	P22437
Rat Gene Id :	24693
Rat Swiss Prot No :	Q63921
Immunogen :	Synthetic Peptide of COX1 AA range: 483-533
Specificity :	The antibody detects endogenous COX1 proteins.
Formulation :	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	70kD
Cell Pathway :	Arachidonic acid metabolism;
Background :	This is one of two genes encoding similar enzymes that catalyze the conversion of arachidonate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has been identified as a moonlighting protein. The protein may promote cell proliferation during tumor progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014],
Function :	catalytic activity:Arachidonate + AH(2) + 2 O(2) = prostaglandin H(2) + A + H(2)O.,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group per subunit.,function:May play an important role in regulating or promoting cell proliferation in some normal and neoplastically transformed cells.,miscellaneous:This enzyme acts both as a dioxygenase and as a peroxidase.,miscellaneous:This enzyme is the target of nonsteroidal anti-inflammatory drugs such as aspirin.,pathway:Lipid metabolism; prostaglandin biosynthesis.,similarity:Belongs to the prostaglandin G/H synthase family.,similarity:Contains 1 EGF-like domain.,subunit:Homodimer.,
Subcellular Location :	Microsome membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein.
Expression :	Brain,Lung fibroblast,Platelet,

Products Images

Western blot analysis of Hela, diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

