

产品名称: Cox-1 Rabbit Polyclonal Antibody
产品货号: AP Rab09264



产品概述 (Summary)

产品名称 (Production Name)	Cox-1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PTGS1
别名 (Alternative Names)	PTGS1; COX1; Prostaglandin G/H synthase 1; Cyclooxygenase-1; COX-1; Prostaglandin H2 synthase 1; PGH synthase 1; PGHS-1; PHS 1; Prostaglandin-endoperoxide synthase 1
基因 ID (Gene ID)	5742.0
蛋白 ID (SwissProt ID)	P23219.The antiserum was produced against synthesized peptide derived from human Cox1. AA range:550-599

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	70kDa

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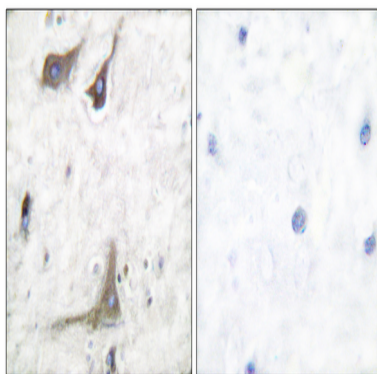
研究背景 (Background)

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], 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,

研究领域 (Research Area)

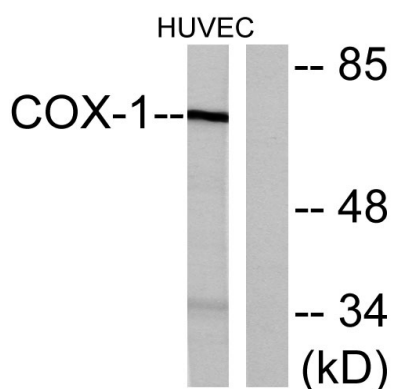
Arachidonic acid metabolism;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Cox1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HUVEC cells, using Cox1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Cox-1 Polyclonal Antibody

注意事项 (Note)

For research use only .