

产品名称: COX2 Rabbit Polyclonal Antibody
产品货号: APRab09272



产品概述 (Summary)

产品名称 (Production Name)	COX2 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)	PTGS2 PTGS2; COX2; Prostaglandin G/H synthase 2; Cyclooxygenase-2; COX-2; PHS II;
别名 (Alternative Names)	Prostaglandin H2 synthase 2; PGH synthase 2; PGHS-2; Prostaglandin-endoperoxide synthase 2
基因 ID (Gene ID)	5743.0
蛋白 ID (SwissProt ID)	P35354.The antiserum was produced against synthesized peptide derived from human Cox2. AA range:555-604

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	70kDa

产品名称: COX2 Rabbit Polyclonal Antibody
产品货号: APRab09272



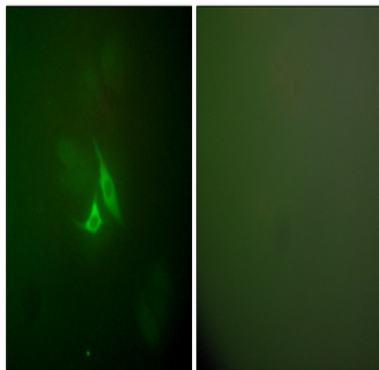
研究背景 (Background)

Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq, Feb 2009],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.,disease:Likely to play a role in inflammatory diseases such as rheumatoid arthritis.,function:May have a role as a major mediator of inflammation and/or a role for prostanoid signaling in activity-dependent plasticity.,induction:By cytokines and mitogens.,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)

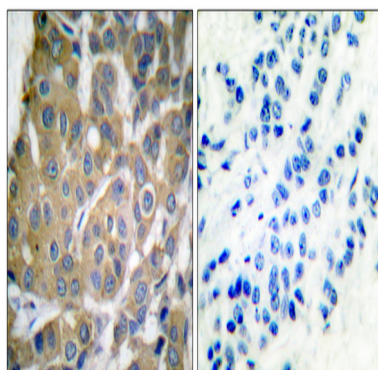
Arachidonic acid metabolism;VEGF;Pathways in cancer;Small cell lung cancer;

图片 (Image Data)

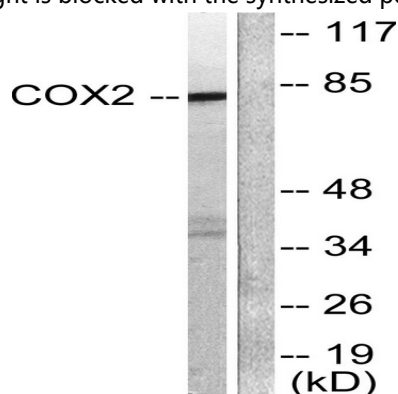


Immunofluorescence analysis of A549 cells, using Cox2 Antibody. The picture on the right is blocked with the synthesized peptide.

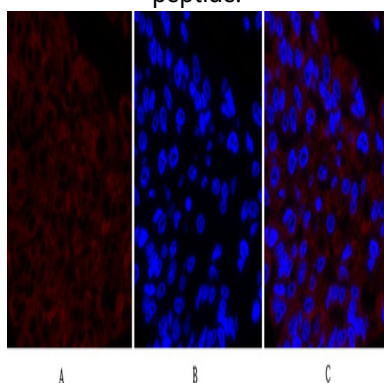
产品名称: COX2 Rabbit Polyclonal Antibody
产品货号: APRab09272



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Cox2 Antibody. The picture on the right is blocked with the synthesized peptide.

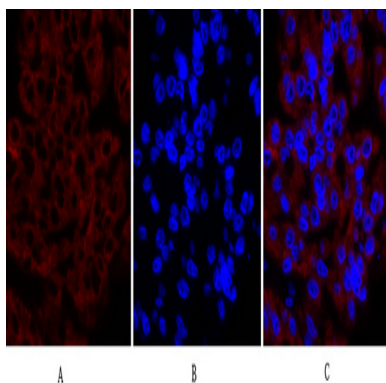


Western blot analysis of lysates from A549 cells, using Cox2 Antibody. The lane on the right is blocked with the synthesized peptide.

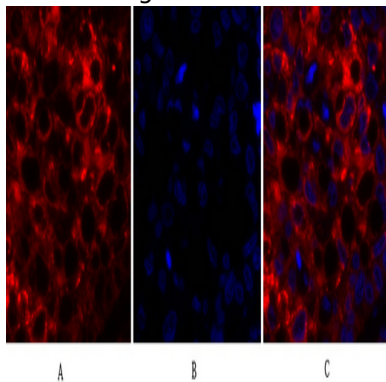


Immunofluorescence analysis of human-liver-cancer tissue. 1, Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

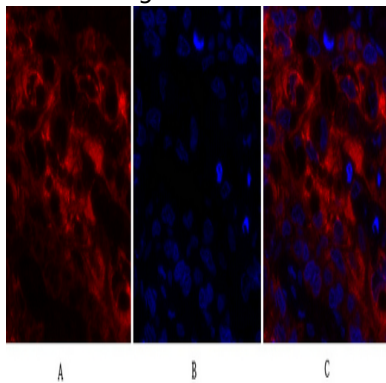
产品名称: COX2 Rabbit Polyclonal Antibody
产品货号: APRab09272



Immunofluorescence analysis of human-liver-cancer tissue. 1, Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

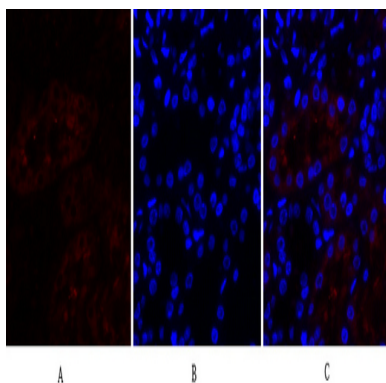


Immunofluorescence analysis of human-lung-cancer tissue. 1, Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

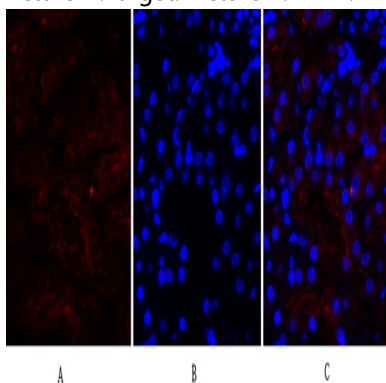


Immunofluorescence analysis of human-lung-cancer tissue. 1, Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

产品名称: COX2 Rabbit Polyclonal Antibody
产品货号: APRab09272



Immunofluorescence analysis of human-kidney tissue. 1,Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of human-kidney tissue. 1,Cox-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

注意事项 (Note)

For research use only .