

产品名称: COX2 (15D12) Rabbit Monoclonal Antibody
产品货号: AMRe09271



产品概述 (Summary)

产品名称 (Production Name)	COX2 (15D12) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP
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)	Monoclonal
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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PTGS2
别名 (Alternative Names)	PTGS2,COX2,Prostaglandin G/H synthase 2,Cyclooxygenase-2,COX-2,PHS II,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.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:100
蛋白分子量 (Molecular Weight)	69kDa

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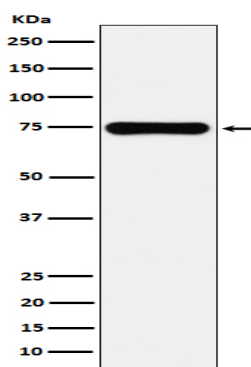
研究背景 (Background)

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. Dual cyclooxygenase and peroxidase in the biosynthesis pathway of prostanoids, a class of C₂₀ oxylipins mainly derived from arachidonate, with a particular role in the inflammatory response.

研究领域 (Research Area)

Cardiovascular

图片 (Image Data)



Western blot analysis of Cox2 expression in A549 cell lysate.

注意事项 (Note)

For research use only .