



COX-2 (ABT31R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18158
Isotype	IgG
Reactivity	Human
Applications	IHC
Gene Name	PTGS2
Protein Name	COX-2
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of COX2
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	COX 2 ; COX-2 ; COX2 ; Cyclooxygenase 2 ; Cyclooxygenase 2b ; Cyclooxygenase ; Cyclooxygenase-2 ; Cyclooxygenase2 ; fj02a10 ; Glucocorticoid-regulated inflammatory cyclooxygenase ; Glucocorticoid-regulated inflammatory Prostaglandin G/H synthase ; GRIPGHS ; hCox 2 ; Macrophage activation-associated marker protein P71/73 ; OTTHUMP00000033524 ; PES-2 ; PGG/HS ; PGH synthase 2 ; PGH2_HUMAN ; PGHS 2 ; PGHS-2 ; PGHS2 ; PHS 2 ; PHS II ; PHS2 ; Prostaglandin endoperoxide synthase 2 ; prostaglandin G/H synthase and cyclooxygenase ; Prostaglandin endoperoxide synthase 2 ; Prostaglandin G/H synthase 2 ; Prostaglandin G/H synthase 2 precursor ; Prostaglandin G/H synthase and cyclooxygenase ; Prostaglandin G/H synthase ; Prostaglandin H2 synthase 2 ; prostaglandin-endoperoxide synthase 2 ; prostaglandin G/H synthase and cyclooxygenase ; Prostaglandin-endoperoxide synthase 2 ; PTGS2 ; ptgs2a ; TIS10 ; TIS10 protein ; unP1239 ; wu:fj02a10

Observed Band

Calculated Molecular Weight

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热销产品:

蛋白、一抗、抗体对、ELISA试剂盒、生化试剂盒
CCK8试剂盒、QPCR检测试剂盒

检测服务:

ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测
ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套
| 宏基因组、转录组、基因组、蛋白组、代谢组测序



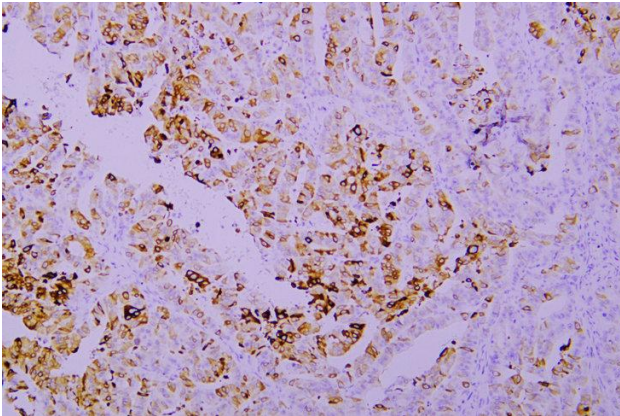
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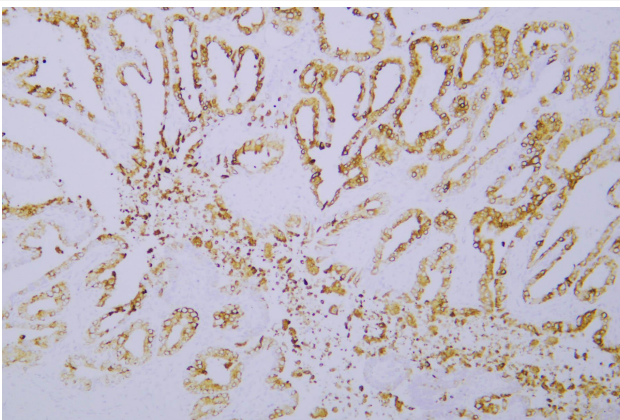
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Cell Pathway	Cytoplasmic
Tissue Specificity	Endothelial cell,Epidermal keratinocytes in primary culture,Lung,Pe
Function	Catalytic activity:Arachidonate + AH(2) + 2 O(2) = prostaglandin H(2) + A + H(2)O.,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group per subunit.,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.,
Background	Prostaglandin-endoperoxide synthase , 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

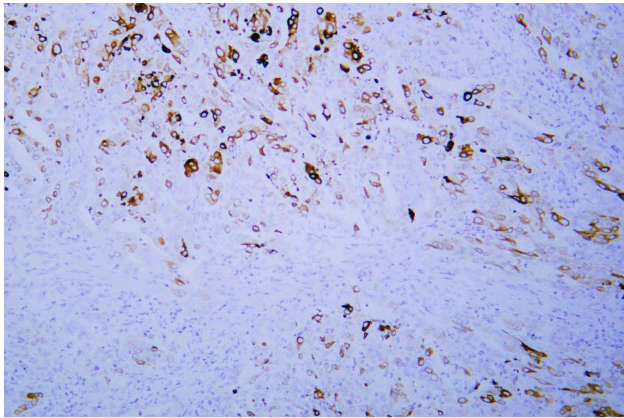


Immunohistochemical analysis of paraffin-embedded human Colon carcinoma. 1, Antibody was incubated at 4 ° overnight. 2, TRIS-EDTA of pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

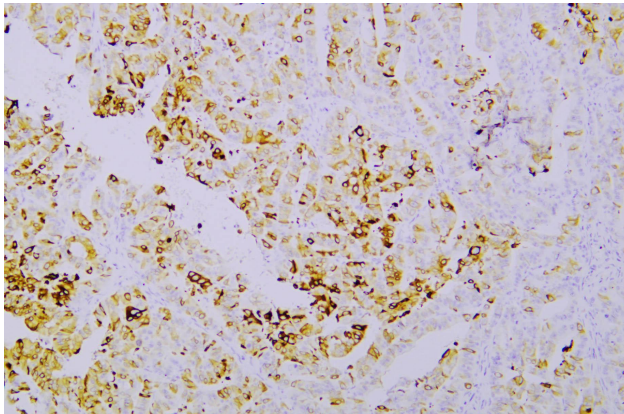


Human prostate carcinoma was stained with anti-COX-2 (ABT31R) rabbit mAb





Human colon cancer was stained with anti-COX-2 (ABT31R) rabbit mAb



Human colon cancer was stained with anti-COX-2 (ABT31R) rabbit mAb

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