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Anti-COX2 Rabbit mAb [66B63]

Catalog No.: A52086

Basic Information

Catalog No. (Cat.No.)	A52086
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	COX2,COX-2,PGHS-2,Prostaglandin-endoperoxide synthase 2,HTCP1

Product Information

Target	COX2
Molecular Weight(Calculated)	69 kDa
Molecular Weight(Observed)	75 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	66B63
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:100-1:500
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cyclooxygenase-2
Gene Name	*PTGS2*
Domain	NA
Background	COX2 (Cyclooxygenase-2, PTGS2) belongs to cyclooxygenase family and mediates pro-inflammatory prostaglandin biosynthesis. COX2 maintains minimal basal expression and is strongly transcriptionally induced by pro-inflammatory cytokines, LPS and tumor-microenvironment cues. COX2 catalyzes arachidonic-acid conversion into prostaglandin mediators to drive inflammation, pain response and angiogenesis. In tumor tissues, COX2 over-expression promotes cell proliferation, suppresses anti-tumor immunity and facilitates neovascularization to accelerate tumor progression. COX2 constitutes a major target for non-steroidal anti-inflammatory drugs. It is widely used in inflammatory-model, oncogenesis and pharmacological-mechanism researches.