

## Cyclooxygenase 2 Antibody FITC Conjugated

Catalog No: #C00413F

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## Description

Product Name	Cyclooxygenase 2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 560-600 604 derived from mouse Cyclooxygenase 2
Conjugates	FITC
Target Name	Cyclooxygenase 2
Other Names	COX2; Cox-2; PHS-2; Pgbs2; TIS1; PGHS-2; Prostaglandin G H synthase 2; Cyclooxygenase-2; Glucocorticoid-regulated inflammatory cyclooxygenase; Gripghs; Macrophage activation-associated marker protein P71 73; PES-2; PHS II; Prostaglandin H2 synthase 2; PGH synthase 2; Prostaglandin-endoperoxide synth
Accession No.	Swiss-Prot#Q05769NCBI Gene ID19225
Uniprot	Q05769
GeneID	19225;
Excitation Emission	494nm 518nm
Cell Localization	Intracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

Flow-Cyt=1:50-200 IF=1:50-200

## 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.

**Note:** This product is for in vitro research use only