

## COX2/Cyclooxygenase 2 Rabbit mAb

Catalog No: #48935



Package Size: #48935-1 50ul #48935-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

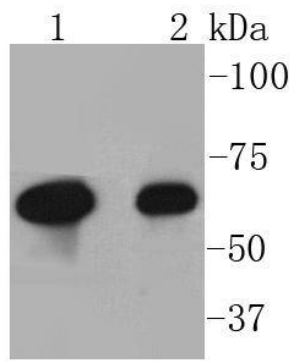
## Description

Product Name	COX2/Cyclooxygenase 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC56-06
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	COX 2 antibody COX-2 antibody COX2 antibody Cyclooxygenase 2 antibody Cyclooxygenase 2b antibody Cyclooxygenase antibody Cyclooxygenase-2 antibody Cyclooxygenase2 antibody EC 1.14.99.1 antibody fj02a10 antibody Glucocorticoid-regulated inflammatory cyclooxygenase antibody Glucocorticoid-regulated inflammatory Prostaglandin G/H synthase antibody GRIPGHS antibody hCox 2 antibody Macrophage activation-associated marker protein P71/73 antibody OTTHUMP00000033524 antibody PES-2 antibody PGG/HS antibody PGH synthase 2 antibody PGH2_HUMAN antibody PGHS 2 antibody PGHS-2 antibody PGHS2 antibody PHS 2 antibody PHS II antibody PHS2 antibody Prostaglandin endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) antibody Prostaglandin endoperoxide synthase 2 antibody Prostaglandin G/H synthase 2 antibody Prostaglandin G/H synthase 2 precursor antibody Prostaglandin G/H synthase and cyclooxygenase antibody Prostaglandin G/H synthase antibody Prostaglandin H2 synthase 2 antibody prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) antibody Prostaglandin-endoperoxide synthase 2 antibody PTGS2 antibody ptgs2a antibody TIS10 antibody TIS10 protein antibody unip1239 antibody wu:fj02a10 antibody
Accession No.	Swiss-Prot#:P35354
Uniprot	P35354
GeneID	5743;
Calculated MW	72 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

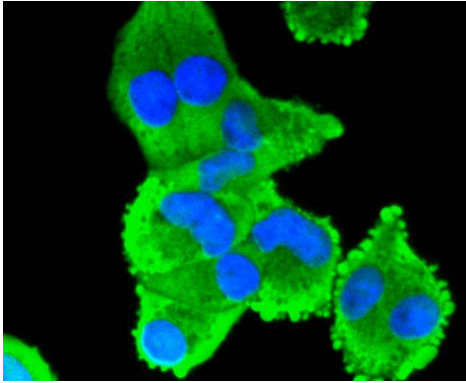
## Application Details

WB: 1:1,000-5,000 ICC: 1:50-1:200

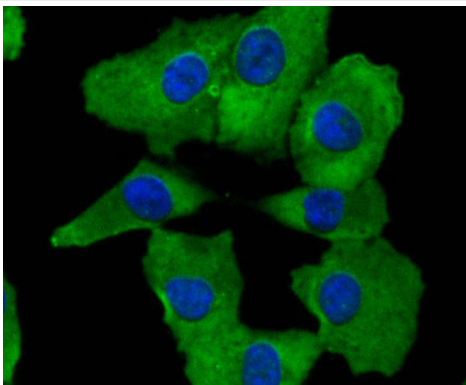
## Images



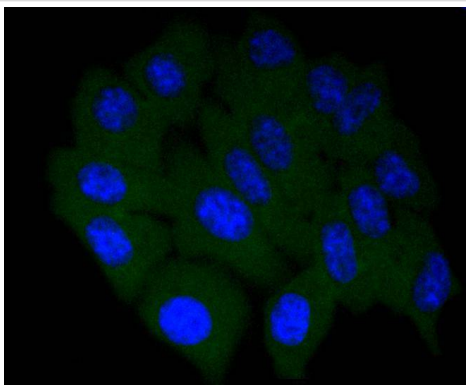
Western blot analysis of COX2 on different lysates using anti-COX2 antibody at 1/1,000 dilution. Positive control: Lane 1: A549 Lane 2: THP-1



ICC staining COX2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining COX2 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining COX2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiologic processes. Prostaglandin H<sub>2</sub> (PGH<sub>2</sub>) is an intermediate molecule in formation of the prostaglandins. Cyclooxygenase-1 (Cox-1) and cyclooxygenase-2 (Cox-2) are prostaglandin synthases that catalyze the formation of PGH<sub>2</sub> from arachidonic acid (AA). Cox-1 and Cox-2 are isozymes of prostaglandin-endoperoxidase synthase (PTGS). Cox-1 is constitutively expressed in most tissues and is thought to serve in general housekeeping functions. Cox-2 is efficiently induced in migratory cells responding to pro-inflammatory stimuli and is considered to be an important mediator of inflammation. Both enzymes are targets for the nonsteroidal therapeutic anti-inflammatory drugs, NSAIDs.

## References

---

Note: This product is for in vitro research use only