

## Cox2 Rabbit mAb

Catalog No: #59933

Package Size: #59933-1 50ul #59933-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

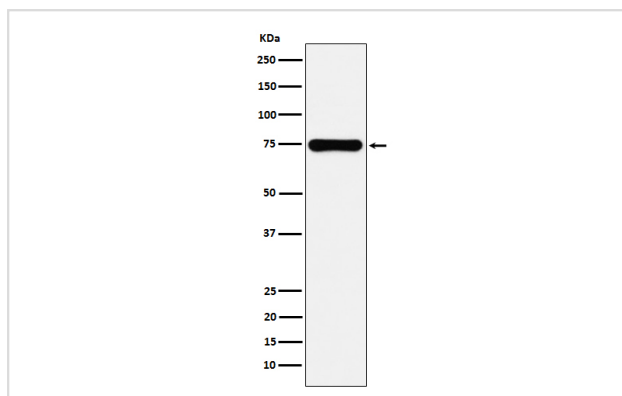
## Description

Product Name	Cox2 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC IP
Species Reactivity	Human Mouse
Specificity	Cox2 Antibody detects endogenous levels of total Cox2
Immunogen Description	A synthesized peptide derived from human Cox2
Other Names	COX2; COX-2; Cyclooxygenase 2; PGH2; PGHS2; PHS2; TIS10; PTGS2;
Accession No.	Uniprot:P35354
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Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Application Details

WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50

## Images



Western blot analysis of Cox2 expression in A549 cell lysate.

## Product Description

Converts arachidonate to prostaglandin H<sub>2</sub> (PGH<sub>2</sub>), 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 E<sub>2</sub> (PGE<sub>2</sub>), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

## Background

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Note: This product is for in vitro research use only