

Rabbit anti-Human, Mouse COX2/Cyclooxygenase 2 Monoclonal Antibody | anti-COX2 antibody

COX2/Cyclooxygenase 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312252	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot

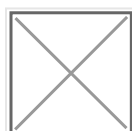
PRODUCT SYNONYMS

COX2/Cyclooxygenase 2; Monoclonal Antibody; COX2/Cyclooxygenase 2 Antibody; 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; unp1239 antibody; wu:fj02a10 antibody; anti-COX2 antibody

PRODUCT SPECIFICATIONS

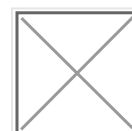
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	SC56-06
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-COX2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

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.



ICC (Immunocytochemistry)

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 (Immunocytochemistry)**

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.

**WB (Western Blot)**

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

ADDITIONAL INFORMATION

Related Product Information for anti-COX2 antibody	Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiologic processes. Prostaglandin H2 (PGH2) 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 PGH2 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.
Product Categories/Family for anti-COX2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506265
NCBI GeneID	5743
NCBI Accession #	NP_000954.1
NCBI GenBank Nucleotide #	NM_000963.2
UniProt Accession #	P35354; Q16876; A8K802
Molecular Weight	68,996 Da
NCBI Official Full Name	prostaglandin G/H synthase 2
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
NCBI Official Symbol	PTGS2
NCBI Official Synonym Symbols	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
NCBI Protein Information	prostaglandin G/H synthase 2; PHS II; PGH synthase 2; cyclooxygenase 2b; prostaglandin H2 synthase 2
UniProt Protein Name	Prostaglandin G/H synthase 2
UniProt Gene Name	PTGS2
UniProt Synonym Gene Names	COX2; COX-2; PGH synthase 2; PGHS-2
UniProt Entry Name	PGH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cox2-cyclooxygenase-2-antibody-clone-sc56-06-immunofluorescence-immunocytochemistry-western-blot-elisa/312252>