

Rabbit anti-Human COX2/Cyclooxygenase 2 Polyclonal Antibody | anti-PTGS2 antibody

Anti-COX2/Cyclooxygenase 2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45067	Rabbit	Human	Immunohistochemistry, Immunohistochemistry, Western Blot

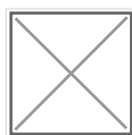
PRODUCT SYNONYMS

COX2/Cyclooxygenase 2; Polyclonal Antibody; Anti-COX2/Cyclooxygenase 2 antibody; Prostaglandin G/H synthase 2; prostaglandin-endoperoxide synthase 2(prostaglandin G/H synthase and cyclooxygenase); 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; f02a10 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; OTTHUMP0000033524 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:f02a10 antibody; anti-PTGS2 antibody

PRODUCT SPECIFICATIONS

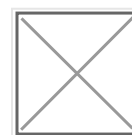
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	604
Applicable Applications for anti-PTGS2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human COX2 (589-604aa DDINPTVLLKERSTEL).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-COX2/Cyclooxygenase 2 antibody, AAA45067, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)

Anti-COX2/Cyclooxygenase 2 antibody, AAA45067, Western blottingAll lanes: Anti COX2/Cyclooxygenase 2 (AAA45067) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: COLO320 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: PANC Whole Cell Lysate at 40ugLane 5: SKOV Whole Cell Lysate at 40ugPredicted bind size: 69KDObserved bind size: 69KD

ADDITIONAL INFORMATION

Related Product Information for anti-PTGS2 antibody	Description: Rabbit IgG polyclonal antibody for Prostaglandin G/H synthase 2(PTGS2) detection. Tested with WB, IHC-P, IHC-F in Human. Background: Cyclooxygenase(Cox) is the key enzyme in conversion of arachidonic acid to PGs, and two isoforms, Cox-1 and Cox-2, have been identified. Cox-2 gene encodes an inducible prostaglandin synthase enzyme that is overexpressed in adenocarcinomas and other tumors. Deletion of the murine Cox-2 gene in Min mice reduced the incidence of intestinal tumors, suggesting that it is required for tumorigenesis. This gene is localized to sites associated with retinal blood vessels, and plays an important role in blood vessel formation in the retina. And the glucocorticoid receptor suppression of COX-2 is also crucial for curtailing lethal immune activation, and suggest new therapeutic approaches for regulation of T-cell-mediated inflammatory diseases.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	3915797
NCBI GeneID	5743
UniProt Accession #	P35354; Q16876; A8K802
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.