

Rabbit cox2 Polyclonal Antibody | anti-PTGS2 antibody

PTGS2 Polyclonal Antibody

CATALOG # AAA37271	HOST Rabbit	REACTIVITY Human, mouse, rat	APPLICATIONS Immunohistochemistry, Western Blot
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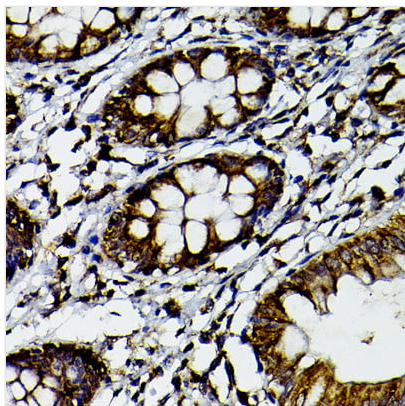
PRODUCT SYNONYMS

cox2; Polyclonal Antibody; PTGS2 Polyclonal Antibody; PTGS2; COX2; GRIPGHS; PGG/ HS; PGHS2; PHS2; hCox2 ; anti-PTGS2 antibody

PRODUCT SPECIFICATIONS

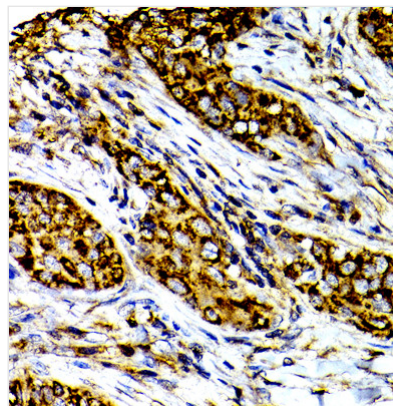
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	604
Applicable Applications for anti-PTGS2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 18-111 of COX2/PTGS2 (NP_000954.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



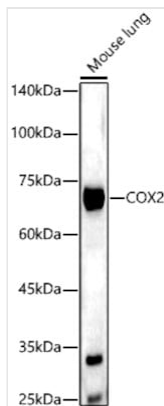
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon using COX2/PTGS2 Rabbit pAb (AAA37271) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



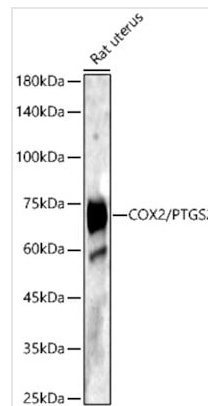
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast cancer using COX2/PTGS2 Rabbit pAb (AAA37271) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol



WB (Western Blot)

Western blot analysis of Mouse lung, using COX2 antibody (AAA37271) at 1:900 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates, using COX2/PTGS2 antibody (AAA37271) at 1:600 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGS2 antibody	Background: Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis.
References	1. Xie, W.L. et al. (1991) Proc Natl Acad Sci USA 88, 2692-6. 2. Vane, J.R. et al. (1998) Annu Rev Pharmacol Toxicol 38, 97-120. 3. O'Neill, G.P. et al. (1994) Mol Pharmacol 45, 245-54 4. Chen, B.C. et al. (2004) J Biol Chem 279, 20889-97. 5. Wang, Q. et al. (2001) Infect Immun 69, 2270-6. 6. Qin, W. et al. (2003) J Biol Chem 278, 50970-7.

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	Observed MW: 69kDa Calculated MW: 69kDa
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/polyclonal/cox2-antibody-immunohistochemistry-western-blot-elisa/37271>