


Anti-COX2 / Cyclooxygenase 2 antibody ab23672

★★★★★ [8 Abreviews](#) [20 References](#) [2 Images](#)

Overview

Product name	Anti-COX2 / Cyclooxygenase 2 antibody
Description	Goat polyclonal to COX2 / Cyclooxygenase 2
Host species	Goat
Specificity	ab23672 recognises COX2. It does not cross react with COX1.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Sheep, Human Predicted to work with: Horse, Cow, Dog, Pig, Mink 
Immunogen	Synthetic peptide. This information is considered to be commercially sensitive. (Peptide available as ab49841)
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Protein G purified
Purification notes	ab23672 was purified by affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab23672 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (3)	Use a concentration of 2 µg/ml. Predicted molecular weight: 69 kDa.
IHC-P	★★★☆☆ (1)	Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Mediates the formation of prostaglandins from arachidonate. May have a role as a major mediator of inflammation and/or a role for prostanoid signaling in activity-dependent plasticity.

Pathway

Lipid metabolism; prostaglandin biosynthesis.

Sequence similarities

Belongs to the prostaglandin G/H synthase family.
Contains 1 EGF-like domain.

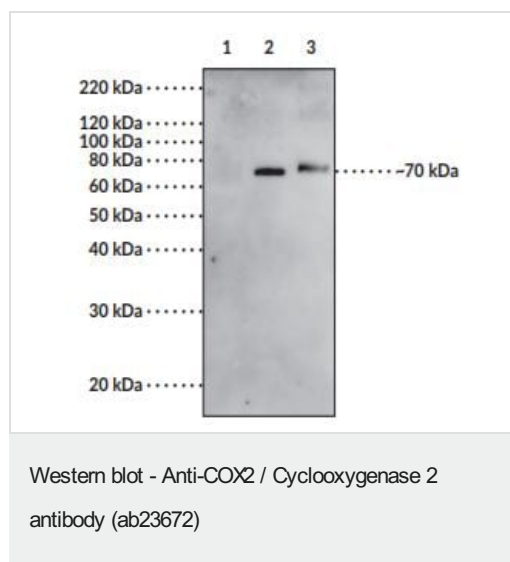
Post-translational modifications

S-nitrosylation by NOS2 (iNOS) activates enzyme activity. S-nitrosylation may take place on different Cys residues in addition to Cys-561.

Cellular localization

Microsome membrane. Endoplasmic reticulum membrane.

Images



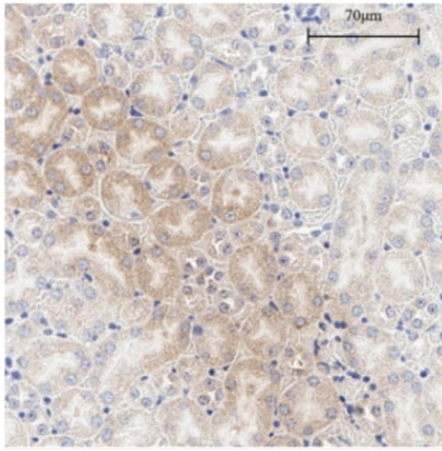
All lanes : Anti-COX2 / Cyclooxygenase 2 antibody (ab23672) at 1/500 dilution

Lane 1 : Human COX-1

Lane 2 : Recombinant ovine COX-2 protein

Lane 3 : Recombinant human COX-2 protein

Predicted band size: 69 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COX2 / Cyclooxygenase 2 antibody (ab23672)

Immunohistochemistry analysis of formalin fixed, paraffin-embedded human kidney sections labeling COX2 / Cyclooxygenase 2 with ab23672 at 1/80 dilution. Slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase streptavidin and chromogen (DAB). Antigen retrieval was heat mediated using citrate buffer pH 6.0.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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