

Product datasheet

Anti-COX2 / Cyclooxygenase 2 antibody [EPR8588] ab151571

Recombinant RabMAb

[1 Abreviews](#) [1 References](#) [2 Images](#)

Overview

Product name	Anti-COX2 / Cyclooxygenase 2 antibody [EPR8588]
Description	Rabbit monoclonal [EPR8588] to COX2 / Cyclooxygenase 2
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human COX2/ Cyclooxygenase 2 aa 500-600.
Positive control	A549 cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR8588
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab151571 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

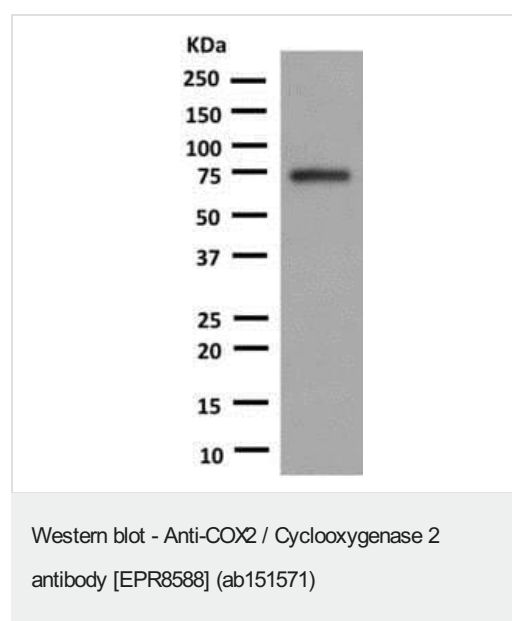
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 69 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

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



Anti-COX2 / Cyclooxygenase 2 antibody [EPR8588] (ab151571) at 1/1000 dilution + A549 cell lysate at 10 µg

Secondary

Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 69 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-COX2 / Cyclooxygenase 2 antibody [EPR8588]
(ab151571)

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

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