

Product datasheet

Anti-COX2 / Cyclooxygenase 2 antibody [5E10/D10] ab701

[1 Image](#)

Overview

Product name	Anti-COX2 / Cyclooxygenase 2 antibody [5E10/D10]
Description	Mouse monoclonal [5E10/D10] to COX2 / Cyclooxygenase 2
Host species	Mouse
Specificity	COX-2. No cross-reactivity with Cox-1.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Sheep
Immunogen	Full length native protein (purified) corresponding to Human COX2/ Cyclooxygenase 2. COX-2 purified from HL-60 cells
General notes	<p>Please note that we have received a report from a customer working with this antibody that they obtain two strong bands in WB (one between 40 - 50kDa and other other between 62 - 83kDa). A single band at around 72kDa is expected.</p> <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 or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide
	FCS free
Purity	Immunogen affinity purified
Clonality	Monoclonal

Clone number	5E10/D10
Isotype	IgG1
Light chain type	kappa

Applications

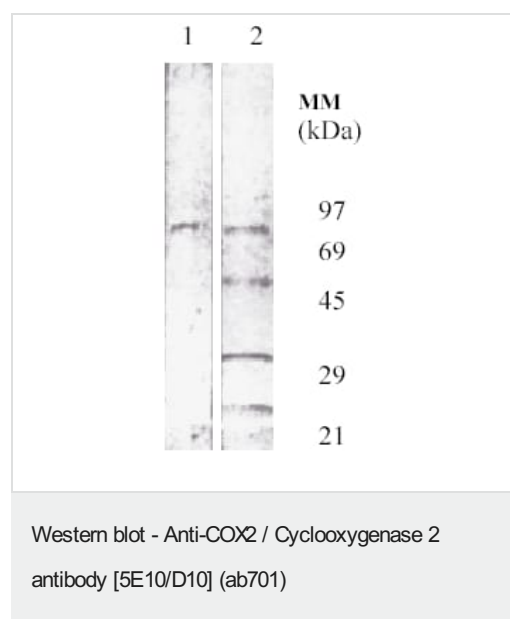
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab701 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml.

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



Lane 1: Cox-2 (protein standard prepared from ovine placenta, supplied by Alpha Diagnostic International).
 Lane 2: MM standard
 Antibody 5E10/D10: 1 µg/ml

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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