


Product datasheet

Anti-COX1 / Cyclooxygenase 1 antibody ab227513

★★★★★ [1 Abreviews](#) [4 Images](#)

Overview

Product name	Anti-COX1 / Cyclooxygenase 1 antibody
Description	Rabbit polyclonal to COX1 / Cyclooxygenase 1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Sheep, Rabbit, Cow, Dog 
Immunogen	Recombinant fragment within Human COX1/ Cyclooxygenase 1 (internal sequence). The exact sequence is proprietary. Database link: P23219
Positive control	WB: Mouse and rat brain extract; MOLT-4 whole cell lysate. IHC-P: H1299 xenograft tissue.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227513 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)	1/500 - 1/3000. Predicted molecular weight: 69 kDa.
IHC-P		1/100 - 1/1000.

Target

Function

May play an important role in regulating or promoting cell proliferation in some normal and neoplastically transformed cells.

Pathway

Lipid metabolism; prostaglandin biosynthesis.

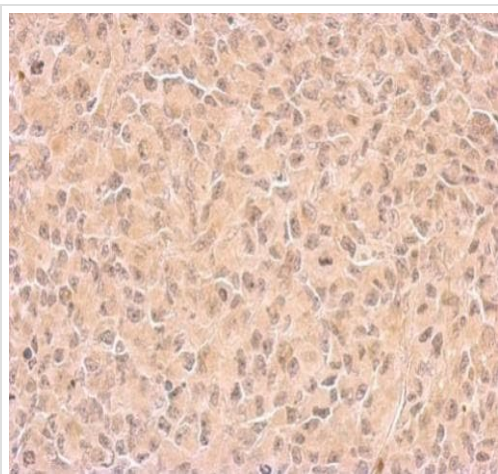
Sequence similarities

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

Cellular localization

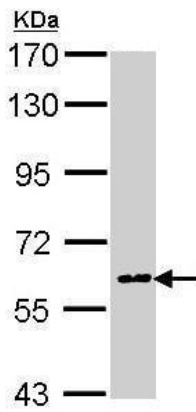
Microsome membrane. Endoplasmic reticulum membrane.

Images



Paraffin-embedded H1299 (human) xenograft tissue stained for COX1 / Cyclooxygenase 1 with ab227513 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COX1 / Cyclooxygenase 1 antibody (ab227513)

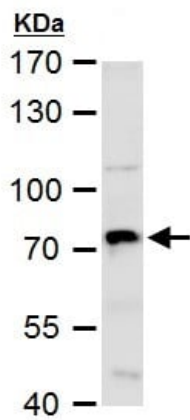


Western blot - Anti-COX1 / Cyclooxygenase 1 antibody (ab227513)

Anti-COX1 / Cyclooxygenase 1 antibody (ab227513) at 1/1000 dilution + MOLT-4 (human lymphoblastic leukemia cell line) whole cell lysate at 30 μ g

Predicted band size: 69 kDa

7.5% SDS-PAGE gel.

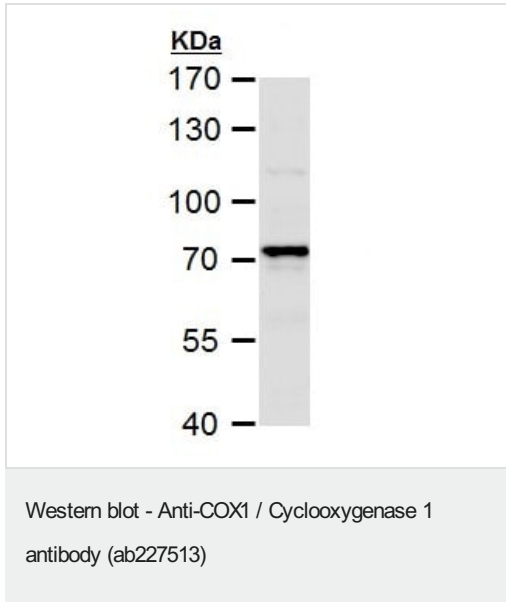


Western blot - Anti-COX1 / Cyclooxygenase 1 antibody (ab227513)

Anti-COX1 / Cyclooxygenase 1 antibody (ab227513) at 1/1000 dilution + Mouse brain extract at 50 μ g

Predicted band size: 69 kDa

7.5 % SDS-PAGE gel.



Anti-COX1 / Cyclooxygenase 1 antibody (ab227513) at 1/1000 dilution + Rat brain extract at 50 µg

Predicted band size: 69 kDa

7.5 % SDS-PAGE gel.

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
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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