

Anti-Cox-3 antibody ab37269

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Cox-3 antibody
Description	Rabbit polyclonal to Cox-3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide corresponding to residues from the N-terminus of Cox-3 (Mouse).
Positive control	mouse small intestinal tissue
General notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 3687 Cox-3 Antibody. 3687-100 is the same size as the 100 µg size of ab37269.</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% Thimerosal (merthiolate) Constituents: 1% BSA, 50% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab37269 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 at an assay dependent concentration. Predicted molecular weight: 69 kDa.

Target

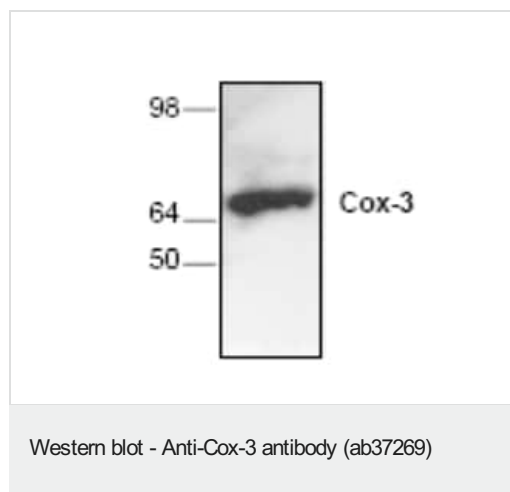
Relevance

COX proteins are membrane-associated heme proteins that have cyclooxygenase and peroxidase activities. These enzymes are targets of NSAID (nonsteroidal anti-inflammatory drugs) such as aspirin. Prostaglandins (PGs) formed by the enzymatic activity of COX-1 are primarily involved in the regulation of homeostatic functions throughout the body, whereas PGs formed by COX-2 primarily mediate pain, fever, and inflammation. COX-1 is constitutively expressed, with particularly high expression in gastrointestinal tissues. COX-2 is induced by cytokines and mitogens and is likely to play a role in inflammatory diseases such as rheumatoid arthritis. In rodents and humans, COX-3 encodes proteins with completely different amino acid sequences from COX-1 or COX-2, and without COX activity. COX-3 is thought to be a splice variant of COX-1 which retains intron one. It has been suggested that COX-3 may be the key to unlocking the mechanism of action of acetaminophen.

Cellular localization

Membrane-associated; Microsomal membrane.

Images



Anti-Cox-3 antibody (ab37269) (0.5–4 µg/ml) + Mouse small intestine tissue lysate

Predicted band size: 69 kDa

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

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