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Datasheet for ABIN3030661  
**anti-COX1 antibody (AA 318-599)**

8 Images

Overview

Quantity:	100 µg
Target:	COX1
Binding Specificity:	AA 318-599
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human partial recombinant protein (AA 318-599) was used as the immunogen for this COX1 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	COX1
Alternative Name:	COX1 ( <a href="#">COX1 Products</a> )
Background:	Cyclooxygenase 1(COX1), also known as Prostaglandin-endoperoxide synthase (PTGS1) or Mitochondrial cytochrome c oxidase subunit 1, is the key enzyme in prostaglandin biosynthesis. The gene is approximately 40 kb long, with 11 protein-coding exons. It is 599 amino acid

## Target Details

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residues with a calculated molecular mass of approximately 68 kD. By analysis of a human/hamster somatic hybrid DNA panel, it was demonstrated that the gene maps to chromosome 9. COX1 gene disruption in mice reduces arachidonic acid-induced inflammation and indomethacin-induced gastric ulceration.

UniProt: [P23219](#)

Pathways: [Proton Transport](#)

## Application Details

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Application Notes: The stated application concentrations are suggested starting amounts. Titration of the COX1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.  
Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

## Handling

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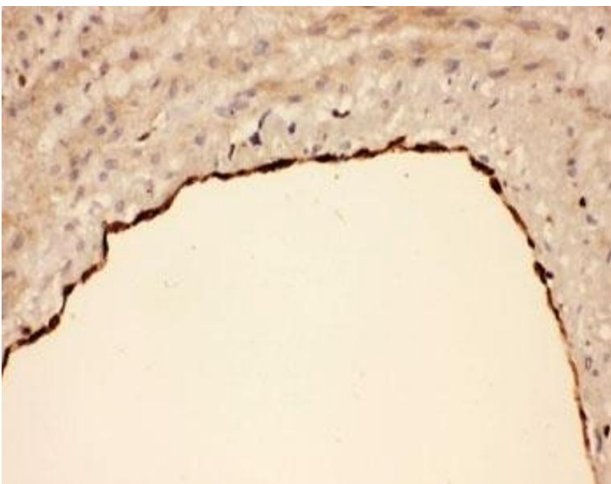
Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the COX1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

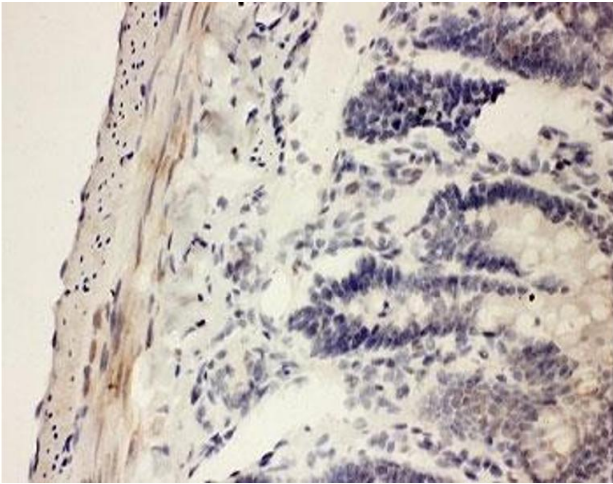
## Images

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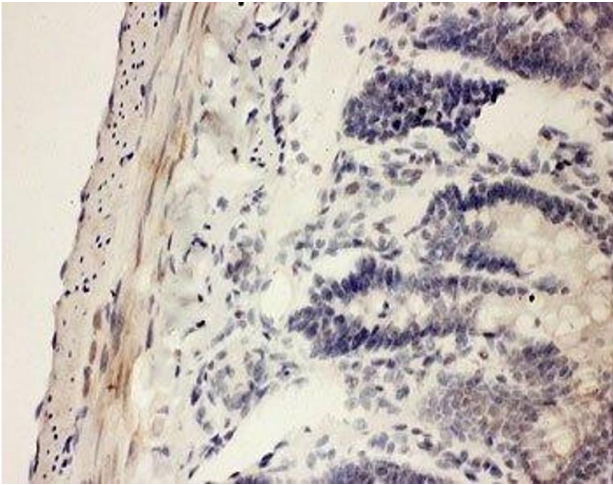
### Immunohistochemistry

**Image 1.** IHC-P: COX1 antibody testing of human lung cancer tissue



### Immunohistochemistry

**Image 2.** IHC-P testing of rat intestine tissue



### Immunohistochemistry

**Image 3.** IHC-P testing of rat intestine tissue

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3030661.