




## Product datasheet

# Anti-PCYOX1 antibody ab231901

6 Images

### Overview

---

<b>Product name</b>	Anti-PCYOX1 antibody
<b>Description</b>	Rabbit polyclonal to PCYOX1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Recombinant fragment (His-T7-tag) corresponding to Mouse PCYOX1 aa 200 to the C-terminus. (Expressed in E.coli). Database link: <a href="#">Q9CQF9</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant mouse PCYOX1 protein; Mouse liver, heart, testis and kidney lysates. IHC-P: Mouse kidney, stomach, heart and uterus tissues.
<b>General notes</b>	<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&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab231901 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab231901 in the following tested applications.

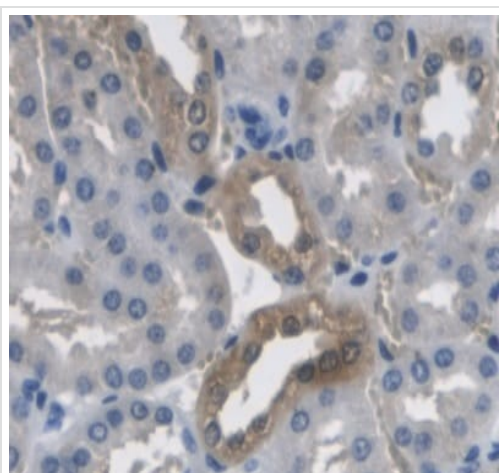
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 56 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

## Target

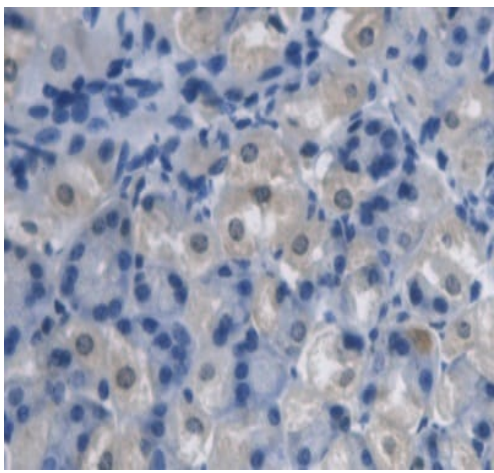
<b>Function</b>	Involved in the degradation of prenylated proteins. Cleaves the thioether bond of prenyl-L-cysteines, such as farnesylcysteine and geranylgeranyl cysteine.
<b>Tissue specificity</b>	Ubiquitous.
<b>Sequence similarities</b>	Belongs to the prenylcysteine oxidase family.
<b>Post-translational modifications</b>	The protein is glycosylated at one or more potential N-glycosylation sites.
<b>Cellular localization</b>	Lysosome.

## Images



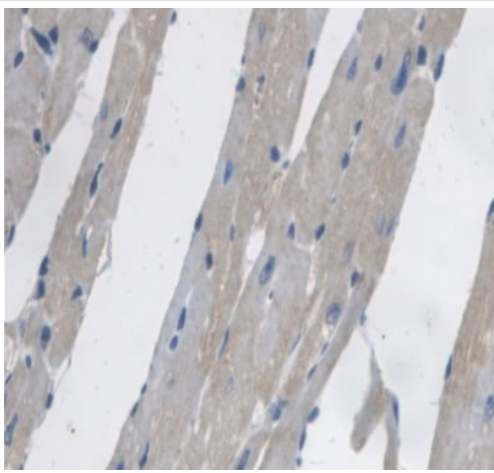
Paraffin-embedded mouse kidney tissue stained for PCYOX1 using ab231901 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCYOX1 antibody (ab231901)



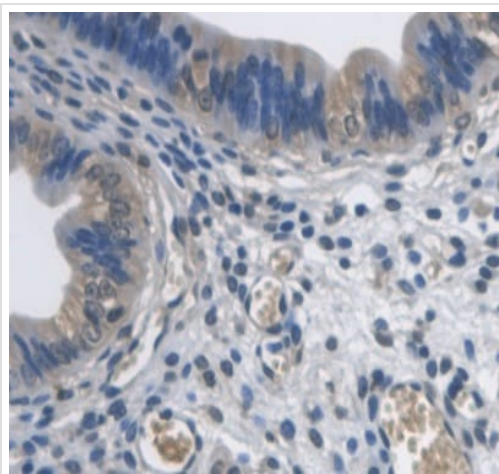
Paraffin-embedded mouse stomach tissue stained for PCYOX1 using ab231901 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCYOX1 antibody (ab231901)



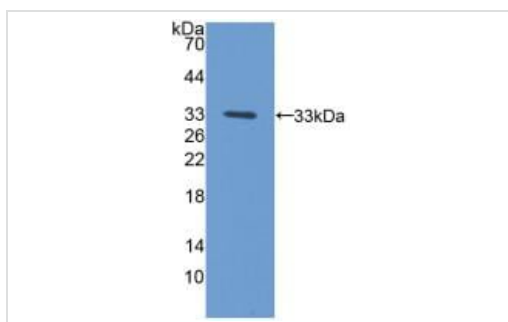
Paraffin-embedded mouse heart tissue stained for PCYOX1 using ab231901 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCYOX1 antibody (ab231901)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCYOX1 antibody (ab231901)

Paraffin-embedded mouse uterus tissue stained for PCYOX1 using ab231901 at 20 µg/ml in immunohistochemical analysis. DAB staining.



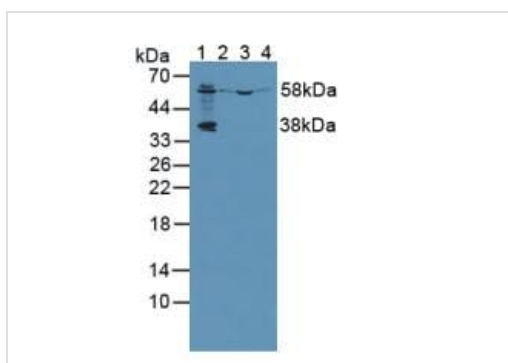
Western blot - Anti-PCYOX1 antibody (ab231901)

Anti-PCYOX1 antibody (ab231901) at 1 µg/ml + Recombinant mouse PCYOX1 protein

**Secondary**

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

**Predicted band size:** 56 kDa



Western blot - Anti-PCYOX1 antibody (ab231901)

**All lanes :** Anti-PCYOX1 antibody (ab231901) at 1 µg/ml

**Lane 1 :** Mouse liver lysate

**Lane 2 :** Mouse heart lysate

**Lane 3 :** Mouse testis lysate

**Lane 4 :** Mouse kidney lysate

**Secondary**

**All lanes :** HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

**Predicted band size:** 56 kDa

**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
- 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.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors