

For Research Use Only

# PCYOX1 Polyclonal antibody

Catalog Number: 18868-1-AP



## Basic Information

<b>Catalog Number:</b> 18868-1-AP	<b>GenBank Accession Number:</b> BC033815	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 51449	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UHG3	
<b>Isotype:</b> IgG	<b>Full Name:</b> prenylcysteine oxidase 1	
<b>Immunogen Catalog Number:</b> AG4316	<b>Calculated MW:</b> 505 aa, 57 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human colon tissue,
<b>Species Specificity:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PCYOX1 (Prenylcysteine oxidase 1) is also named as KIAA0908, PCL1, prenylcysteine lyase and belongs to the prenylcysteine oxidase family. The deduced 505-amino acid protein contains a predicted signal sequence, several transmembrane regions, and four potential N-glycosylation sites. It is a glycosylated enzyme involved in prenylated protein catabolism, releasing a free cysteine and a hydrophobic isoprenoid product. Immunofluorescence studies of PCYOX1 showed a nonnuclear punctate pattern, and PCYOX1 colocalized with lysosomal marker LAMP1 in HEK293 cells (PMID:10585463). The enzyme is isolated from bovine brain membranes and exhibits an apparent molecular mass of 63 kDa (PMID:9287348).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

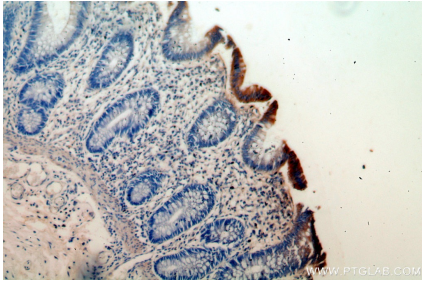
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

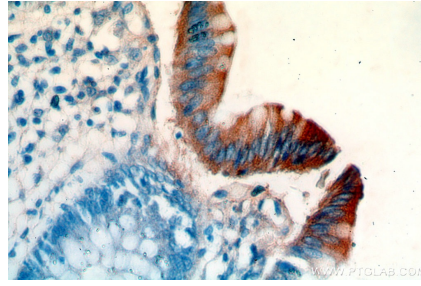
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon using 18868-1-AP (PCYOX1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18868-1-AP (PCYOX1 antibody) at dilution of 1:50 (under 40x lens).