

## PCYOX1 antibody - C-terminal region

## Rabbit Polyclonal Antibody

Catalog # AI10452

## Product Information

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Application</b>       | WB, IHC                                               |
| <b>Primary Accession</b> | <a href="#">Q9UHG3</a>                                |
| <b>Other Accession</b>   | <a href="#">NM_016297</a> , <a href="#">NP_057381</a> |
| <b>Reactivity</b>        | Human, Pig, Dog, Bovine, Yeast                        |
| <b>Predicted</b>         | Human, Dog                                            |
| <b>Host</b>              | Rabbit                                                |
| <b>Clonality</b>         | Polyclonal                                            |
| <b>Calculated MW</b>     | 56640                                                 |

## Additional Information

|                                     |                                                                                                                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                      | 51449                                                                                                                                                                                            |
| <b>Alias Symbol</b>                 | PCL1                                                                                                                                                                                             |
| <b>Other Names</b>                  | Prenylcysteine oxidase 1, 1.8.3.5, Prenylcysteine lyase, PCYOX1, KIAA0908, PCL1                                                                                                                  |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                                |
| <b>Reconstitution &amp; Storage</b> | Add 100 ul of distilled water. Final anti-PCYOX1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| <b>Precautions</b>                  | PCYOX1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                            |

## Protein Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | PCYOX1 ( <a href="#">HGNC:20588</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | <p>Prenylcysteine oxidase that cleaves the thioether bond of prenyl-L-cysteines, such as farnesylcysteine and geranylgeranylcysteine (PubMed:<a href="#">10585463</a>, PubMed:<a href="#">11078725</a>, PubMed:<a href="#">12186880</a>). Only active against free prenylcysteines and not prenylcysteine residues within prenylated proteins or peptides (By similarity). Involved in the final step in the degradation of prenylated proteins, by degrading prenylcysteines after the protein has been degraded (PubMed:<a href="#">10585463</a>).</p> |
| <b>Cellular Location</b> | Lysosome.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

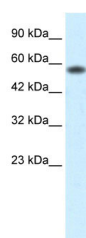
## Tissue Location

Widely expressed..

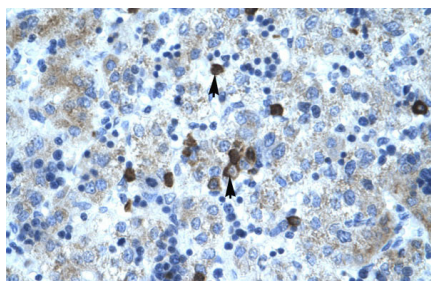
## References

Clark,H.F., et al., (2003) Genome Res. 13 (10), 2265-2270  
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

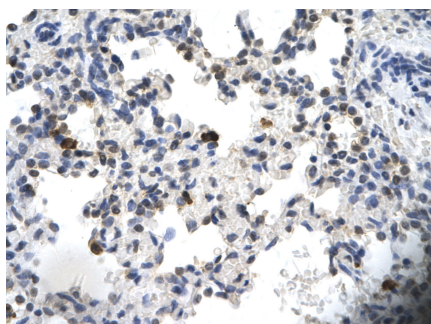
## Images



WB Suggested Anti-PCYOX1 Antibody Titration: .5ug/ml  
Positive Control: Jurkat cell lysate



Human Liver



Rabbit Anti-PCYOX1 Antibody  
Catalog Number:AI10452  
Paraffin Embedded Tissue: Human alveolar cell  
Cellular Data: Epithelial cells of renal tubule  
Antibody Concentration: 4.-8. ug/ml  
Magnification:4X

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.