

AP42165PU-N

Polyclonal Antibody to PCYOX1 - Aff - Purified

Alternate names:

KIAA0908, PCL1, Prenylcysteine lyase, Prenylcysteine oxidase 1

Quantity:

0.1 mg

Background:

Prenylated proteins contain one of two isoprenoid lipids, either the 15-carbon farnesyl or the 20-carbon geranylgeranyl, covalently attached to cysteine residues at or near their C terminus. PCYOX1 is capable of cleaving the thioether bond of prenylcysteines. The enzyme was isolated from bovine brain membranes and exhibits an apparent molecular mass of 63 kDa. This is a specific enzyme involved in prenylcysteine metabolism in mammalian cells, most likely comprising the final step in the degradation of prenylated proteins.

Uniprot ID:

[Q9UHG3](#)

NCBI:

[NP_057381](#)

GeneID:

[51449](#)

Host:

Rabbit

Immunogen:

The immunogen for anti-PCYOX1 antibody: synthetic peptide directed towards the C terminal of human PCYOX1.

AA Sequence:

IFSQETLTQAQILKFLSYDYAVKKPWLAYPHYKPEKCPSSIILHDLRY

Format:

State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Purification: Purified using Protein A affinity column.

Applications:

Western blotting (0.2 - 1 µg/ml)

Immunohistochemistry on paraffin embedded sections (4 - 8 µg/ml)

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Species Reactivity:

Tested: Human

Expected from sequence similarity: Dog, Bovine

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

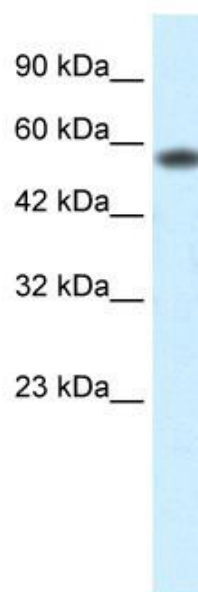
Shelf life: one year from despatch.

General Readings:

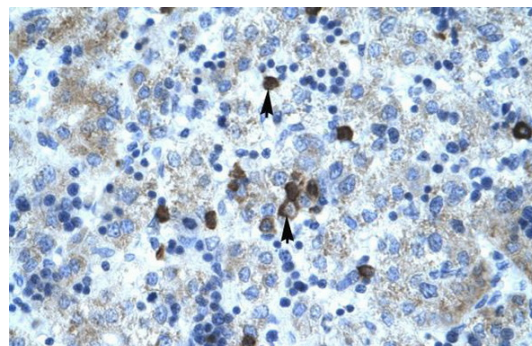
Clark, H.F., et al., (2003) Genome Res. 13 (10), 2265-2270

Pictures:

WB Suggested Anti-PCYOX1 Antibody
Titration: 0.5ug/ml; Positive Control:
Jurkat cell lysate



Human Liver



Rabbit Anti-PCYOX1 Antibody; Paraffin
Embedded Tissue: Human alveolar cell;
Cellular Data: Epithelial cells of renal
tubule; Antibody Concentration: 4.0-8.0
ug/ml; Magnification: 400X

