



# Rabbit Anti-Human PCYOX1 Polyclonal Antibody (CABT-L2224)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Prenylcysteine Oxidase 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against PCYOX1. It has been selected for its ability to recognize PCYOX1 in immunohistochemical staining and western blotting.
<b>Target</b>	PCYOX1
<b>Immunogen</b>	Recombinant fragment corresponding to human PCYOX1 (Tyr174~Leu505)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	Prenylcysteine is released during the degradation of prenylated proteins. PCYOX1 catalyzes the degradation of prenylcysteine to yield free cysteines and a hydrophobic isoprenoid product (Tschantz et al., 1999 [PubMed 10585463]).[supplied by OMIM, Mar 2008]
<b>Keywords</b>	PCL1;Prenylcysteine lyase

## GENE INFORMATION

<b>Gene Name</b>	PCYOX1 prenylcysteine oxidase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PCYOX1
<b>Synonyms</b>	PCYOX1; prenylcysteine oxidase 1; PCL1; prenylcysteine lyase;
<b>Entrez Gene ID</b>	<a href="#">51449</a>
<b>Protein Refseq</b>	NP_057381
<b>UniProt ID</b>	<a href="#">Q9UHG3</a>
<b>Chromosome Location</b>	2p13.3
<b>Pathway</b>	Terpenoid backbone biosynthesis;
<b>Function</b>	chloride-transporting ATPase activity; prenylcysteine oxidase activity;