

Datasheet for ABIN7599628  
**anti-PCYOX1 antibody (AA 101-452)**



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## Overview

Quantity:	100 µg
Target:	PCYOX1
Binding Specificity:	AA 101-452
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCYOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PCYOX1 Antibody Picoband®
Immunogen:	E.coli-derived human PCYOX1 recombinant protein (Position: R101-D452). Human PCYOX1 shares 78.7% and 76.1% amino acid (aa) sequence identity with mouse and rat PCYOX1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PCYOX1 Antibody Picoband® (ABIN7602577). Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: PCYOX1

Alternative Name: PCYOX1 ([PCYOX1 Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1\_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: Prenylcysteine oxidase 1 is an enzyme that in humans is encoded by the PCYOX1 gene. Prenylcysteine is released during the degradation of prenylated proteins. PCYOX1 catalyzes the degradation of prenylcysteine to yield free cysteines and a hydrophobic isoprenoid product.

Molecular Weight: 57 kDa

Gene ID: 51449

## Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human  
Immunohistochemistry, 2-5 µg/mL, Human  
Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human  
ELISA, 0.1-0.5 µg/mL, -

1. Nagase, T., Ishikawa, K., Suyama, M., Kikuno, R., Hirose, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 5: 355-364, 1998. 2. Tschantz, W. R., Zhang, L., Casey, P. J. Cloning,

Application Details

expression, and cellular localization of a human prenylcysteine lyase. J. Biol. Chem. 274: 35802-35808, 1999.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.