

### **PYCRL Antibody (C-term)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21368b

### **Specification**

# **PYCRL Antibody (C-term) - Product Information**

Application

Primary Accession

Reactivity

Host

Clonality

Isotype

Calculated MW

WB,E

053H96

Human

Rabbit

polyclonal

Rabbit IgG

28663

## **PYCRL Antibody (C-term) - Additional Information**

#### **Gene ID** 65263

#### **Other Names**

Pyrroline-5-carboxylate reductase 3, P5C reductase 3, P5CR 3, Pyrroline-5-carboxylate reductase-like protein, PYCRL

# **Target/Specificity**

This PYCRL antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 221-255 amino acids from the C-terminal region of human PYCRL.

#### **Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Precautions**

PYCRL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## **PYCRL Antibody (C-term) - Protein Information**

### Name PYCR3 (HGNC:25846)

**Function** Oxidoreductase that catalyzes the last step in proline biosynthesis, which corresponds to the reduction of pyrroline-5- carboxylate (P5C) to L-proline using NAD(P)H (PubMed: 23024808,



PubMed: <u>36414121</u>). Proline is synthesized from either glutamate or ornithine; both are converted to P5C, and then to proline via pyrroline-5-carboxylate reductases (PYCRs) (PubMed: <u>23024808</u>). PYCR3 is exclusively linked to the biosynthesis of proline from ornithine (PubMed: <u>23024808</u>).

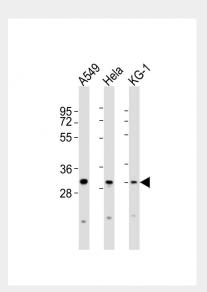
Cellular Location Cytoplasm.

# **PYCRL Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### PYCRL Antibody (C-term) - Images



All lanes: Anti-PYCRL Antibody (C-term) at 1:2000 dilution Lane 1: A549 whole cell lysates Lane 2: Hela whole cell lysates Lane 3: KG-1 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **PYCRL Antibody (C-term) - References**

Ota T.,et al.Nat. Genet. 36:40-45(2004). Nusbaum C.,et al.Nature 439:331-335(2006). Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases. Bechtel S.,et al.BMC Genomics 8:399-399(2007). Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).