

## Rabbit PYCR1 Polyclonal Antibody | anti-PYCR1 antibody

PYCR1 antibody - middle region

|                               |                       |                                                                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA200739</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------|-------------------------------------|

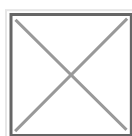
### PRODUCT SYNONYMS

PYCR1; Polyclonal Antibody; PYCR1 antibody - middle region; anti-PYCR1 antibody

### PRODUCT SPECIFICATIONS

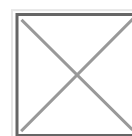
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: RS LLINAVEASC IRTRELQSMA DQEQVSPAAI KKTILDKDHL PLELGSP                                                   |
| Sequence Length                                 | 316                                                                                                                                                   |
| Applicable Applications for anti-PYCR1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 93%; Dog: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 93%; Zebrafish: 86%                                       |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the middle region of human PYCR1                                                                |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-PYCR1 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:312500  
Positive Control: 721\_B cell lysate  
PYCR1 is supported by BioGPS gene expression data to be expressed in 721\_B



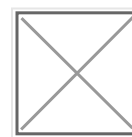
#### WB (Western Blot)

PYCR1 antibody - middle region validated by WB using 293T cells lysate at 1 ug/ml.  
PYCR1 is supported by BioGPS gene expression data to be expressed in HEK293T



#### WB (Western Blot)

Lanes: 1. 10 ug human fibroblast lysate  
2. 10 ug PYCR1 KO human fibroblast lysate  
Primary Antibody Dilution: 1:300  
Secondary Antibody: Anti-rabbit-HRP  
Secondary Antibody Dilution: 1:1000  
Gene Name: PYCR1  
Submitted by: Anonymous



#### WB (Western Blot)

Lanes: 1. 10 ug human fibroblast lysate  
2. 10 ug PYCR1 KO human fibroblast lysate  
Primary Antibody Dilution: 1:300  
Secondary Antibody: Anti-rabbit-HRP  
Secondary Antibody Dilution: 1:1000  
Gene Name: PYCR1  
Submitted by: Anonymous

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PYCR1 antibody | <p>This is a rabbit polyclonal antibody against PYCR1. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: This gene encodes an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. The protein forms a homopolymer and localizes</p> |
| Product Categories/Family for anti-PYCR1 antibody   | Polyclonal; Signal Proteins; Drugs and Drug Metabolism                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 24797095                                                     |
| NCBI GeneID                      | 5831                                                         |
| NCBI Accession #                 | NP_722546                                                    |
| NCBI GenBank Nucleotide #        | NM_153824                                                    |
| UniProt Accession #              | A6NFM2; P32322                                               |
| Molecular Weight                 | 33kDa                                                        |
| NCBI Official Full Name          | pyrroline-5-carboxylate reductase 1, mitochondrial isoform 2 |
| NCBI Official Synonym Full Names | pyrroline-5-carboxylate reductase 1                          |
| NCBI Official Symbol             | PYCR1                                                        |
| NCBI Official Synonym Symbols    | P5C; P5CR; PRO3; PYCR; PIG45; PP222; ARCL2B; ARCL3B          |
| NCBI Protein Information         | pyrroline-5-carboxylate reductase 1, mitochondrial           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pycr1-antibody-western-blot-elisa/200739>