

Rabbit anti-Human PYCR1 Polyclonal Antibody | anti-PYCR1 antibody

PYCR1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287915	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PYCR1; Polyclonal Antibody; PYCR1 Antibody (C-term); Pyrroline-5-carboxylate reductase 1; mitochondrial; P5C reductase 1; P5CR 1; anti-PYCR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PYCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-319 amino acids from the C-terminal region of human PYCR1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	291-319
Sequence Length	346
Applicable Applications for anti-PYCR1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PYCR1 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

PYCR1 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PYCR1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

PYCR1 Antibody (C-term) western blot analysis in K562,WiDr,HepG2 cell line lysates (35ug/lane).This demonstrates the PYCR1 antibody detected the PYCR1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PYCR1 antibody	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 to the mitochondrion.
Product Categories/Family for anti-PYCR1 antibody	Metabolism; Signal Transduction
References	Reversade, B., et al. Nat. Genet. 41(9):1016-1021(2009) Guernsey, D.L., et al. Am. J. Hum. Genet. 85(1):120-129(2009) Meng, Z., et al. J. Mol. Biol. 359(5):1364-1377(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	533112488
NCBI GeneID	5831
NCBI Accession #	NP_001269209.1; NP_001269210.1; NP_008838.2; NP_722546.1
NCBI GenBank Nucleotide #	NM_001282280.1
UniProt Accession #	P32322; Q6FHI4; Q96DI6; Q9HBQ4; A6NFM2; B4DMU0
Molecular Weight	33361
NCBI Official Full Name	pyrroline-5-carboxylate reductase 1, mitochondrial isoform 1
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
UniProt Protein Name	Pyrroline-5-carboxylate reductase 1, mitochondrial
UniProt Gene Name	PYCR1
UniProt Synonym Gene Names	P5C reductase 1; P5CR 1
UniProt Entry Name	P5CR1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pycr1-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/287915>