

Rabbit PYCR1 Polyclonal Antibody | anti-PYCR1 antibody

PYCR1 Antibody

CATALOG # AAA322878	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Zebrafish	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

PYCR1; Polyclonal Antibody; PYCR1 Antibody; P5C; P5C reductase 1; P5C reductase; P5CR 1; P5CR; PIG45; PP222; Proliferation inducing protein 45; PYCR 1; PYCR; Pyrroline 5 carboxylate reductase 1; Pyrroline 5 carboxylate reductase 1 mitochondrial; anti-PYCR1 antibody

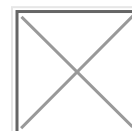
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Isotype	IgG
Specificity	PYCR1 antibody detects endogenous levels of PYCR1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	319
Applicable Applications for anti-PYCR1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PYCR1.
Subcellular Location	Mitochondrial
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from Mouse Myeloma cell, using PYCR1 antibody. Lane 1 was treated with the blocking peptide.


WB (Western Blot)

Western blot analysis of extracts of HT-1080 cells, using PYCR1 antibody.



IHC (Immunohistochemistry)

AAA322878 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PYCR1 antibody	Function: Housekeeping enzyme that catalyzes the last step in proline biosynthesis. Can utilize both NAD and NADP, but has higher affinity for NAD. Involved in the cellular response to oxidative stress. Subunit Structure: Homodecamer; composed of 5 homodimers. Similarity: Belongs to the pyrroline-5-carboxylate reductase family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	533112488
NCBI GeneID	5831
NCBI Accession #	NP_001269209.1
NCBI GenBank Nucleotide #	NM_001282280.1
UniProt Accession #	P32322; Q6FHI4; Q96DI6; Q9HBQ4; A6NFM2; B4DMU0
Molecular Weight	Observed: 33 kDa; 35 kDa Predicted: 34 kDa
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

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-elisa/322878>