

Rabbit anti-Human PYCR1/P5CR Polyclonal Antibody | anti-PYCR1/P5CR antibody

Rabbit anti-PYCR1/P5CR Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212968	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PYCR1/P5CR; Polyclonal Antibody; Rabbit anti-PYCR1/P5CR Antibody; Affinity Purified; P5CR 1; pyrroline-5-carboxylate reductase 1; mitochondrial; PYCR; proliferation-inducing protein 45; PRO3; PIG45; P5CR; P5C reductase 1; P5C; ARCL3B; ARCL2B; PP222; Pyrroline-5-carboxylate reductase 1; anti-PYCR1/P5CR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PYCR1/P5CR antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 269 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PYCR1/P5CR by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PYCR1/P5CR antibody AAA212968 (lot AAA212968-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human PYCR1/P5CR by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PYCR1/P5CR antibody AAA212968 (lot AAA212968-1) used for IP at 6 ug per reaction. PYCR1/P5CR was also immunoprecipitated by rabbit anti-PYCR1/P5CR antibody For blotting immunoprecipitated PYCR1/P5CR, AAA212968 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PYCR1/P5CR antibody	PYCR1 is a housekeeping enzyme that catalyzes the last step in proline biosynthesis. It can utilize both NAD and NADP, but has higher affinity for NAD. PYCR1 is involved in the cellular response to oxidative stress [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P32322].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24797097
NCBI GeneID	5831
NCBI Accession #	NP_008838.2
NCBI GenBank Nucleotide #	NM_006907.3
UniProt Accession #	P32322; Q6FHI4; Q96DI6; Q9HBQ4; A6NFM2; B4DMU0
Molecular Weight	33.7 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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pycr1-p5cr-antibody-immunoprecipitation-western-blot-elisa/212968>