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Product datasheet for TA344625

PYCR1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PYCR1 antibody: synthetic peptide directed towards the middle region of human PYCR1. Synthetic peptide located within the following region: KMLLHSEQHPGQLKDNVSSPGGATIHALHVLESGGFRSLLINAVEASCIR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	pyrroline-5-carboxylate reductase 1
Database Link:	NP_722546 Entrez Gene 5831 Human P32322
Background:	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
Synonyms:	ARCL2B; ARCL3B; P5C; P5CR; PIG45; PP222; PRO3; PYCR
Note:	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Mouse: 92%

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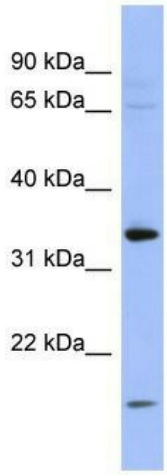
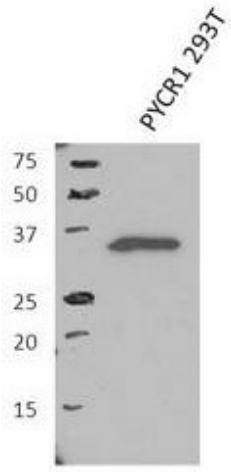
Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



WB Suggested Anti-PYCR1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: HepG2 cell lysatePYCR1 is supported by BioGPS gene expression data to be expressed in HepG2



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