

PYCR1 mouse monoclonal antibody (hybridoma)

Catalog # H00005831-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PYCR1.
Immunogen	PYCR1 (NP_008838.2, 1 a.a. ~ 319 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSVGFIGAGQLAFALAKGFTAAGVLAAHKIMASSPDMDLATVSALRKMGVKLTPHNKETVQHSD VLFLAVKPHIIPFILDEIGADIEDRHVVSCAAGVTISSIEKKLSAFRPAPRVIRCMTNTPVVVREGATV YATGTHAQVEDGRLMEQLLSSVGFCTEVEEDLIDAVTGLSGSGPAYAFTALDALADGGVKMGLP RRLAVRLGAQALLGAAKMLLHSEQHPGQLKDNVSSPGGATHALHVLESGGFRSLLINAVEASCIR TRELQSMADQEQVSPAAIKKTILDKVKLDSPAGTALSPSGHTKLLPRSLAPAGKD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PYCR1

Entrez GeneID [5831](#)**GeneBank Accession#** [NM_006907.2](#)**Protein Accession#** [NP_008838.2](#)**Gene Name** PYCR1**Gene Alias** P5C, P5CR, PIG45, PP222, PYCR**Gene Description** pyrroline-5-carboxylate reductase 1**Omim ID** [179035](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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. Alternate splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations P5C reductase|proliferation-inducing protein 45

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)