

Product datasheet for **CF501996**

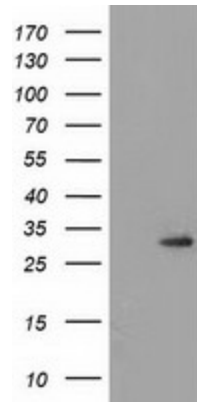
PYCR2 Mouse Monoclonal Antibody [Clone ID: OTI4B7]

Product data:

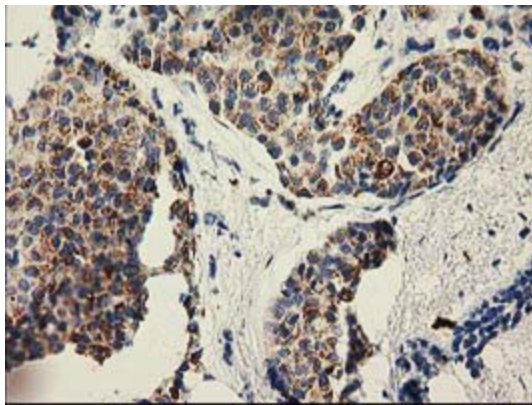
Product Type:	Primary Antibodies
Clone Name:	OTI4B7
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PYCR2 (NP_037460) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.5 kDa
Gene Name:	Homo sapiens pyrroline-5-carboxylate reductase 2 (PYCR2), transcript variant 1, mRNA.
Database Link:	NP_037460 Entrez Gene 69051 Mouse Entrez Gene 364064 Rat Entrez Gene 29920 Human Q96C36
Synonyms:	HLD10; P5CR2
Protein Pathways:	Arginine and proline metabolism, Metabolic pathways



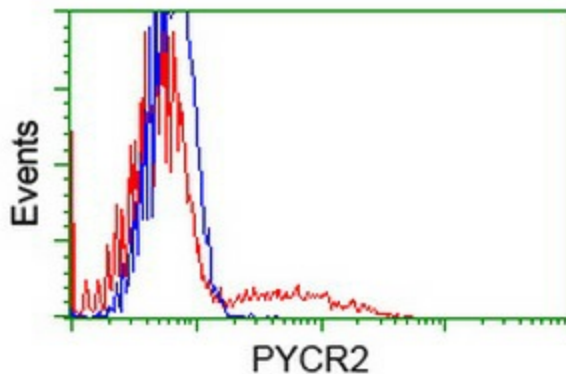
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Product images:

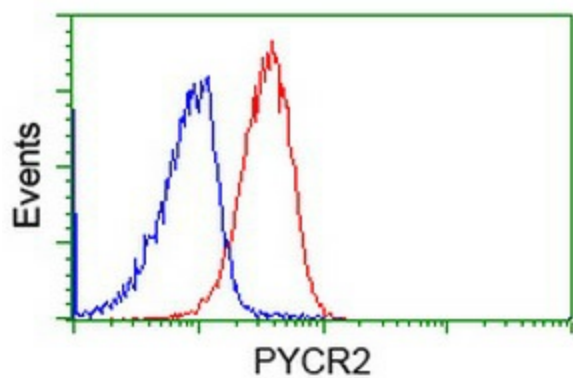
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PYCR2 ([RC204525], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PYCR2. Positive lysates [LY402246] (100ug) and [LC402246] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-PYCR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501996])



HEK293T cells transfected with either [RC204525] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PYCR2 antibody ([TA501996]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-PYCR2 antibody ([TA501996]), (Red), compared to a nonspecific negative control antibody, (Blue).