

## Product datasheet for **CF501900**

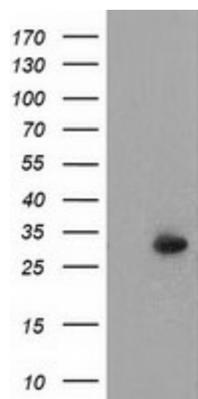
### **PYCR2 Mouse Monoclonal Antibody [Clone ID: OTI2A12]**

#### **Product data:**

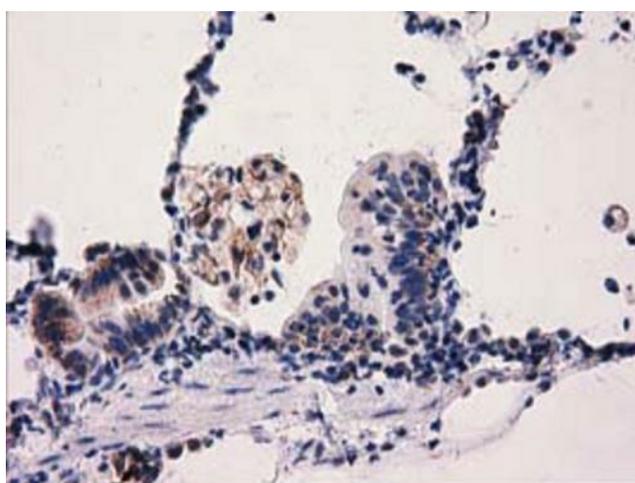
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2A12
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PYCR2 (NP_037460) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	33.5 kDa
<b>Gene Name:</b>	pyrroline-5-carboxylate reductase 2
<b>Database Link:</b>	<a href="#">NP_037460</a> <a href="#">Entrez Gene 69051 Mouse</a> <a href="#">Entrez Gene 364064 Rat</a> <a href="#">Entrez Gene 29920 Human</a> <a href="#">Q96C36</a>
<b>Synonyms:</b>	HLD10; P5CR2
<b>Protein Pathways:</b>	Arginine and proline metabolism, Metabolic pathways



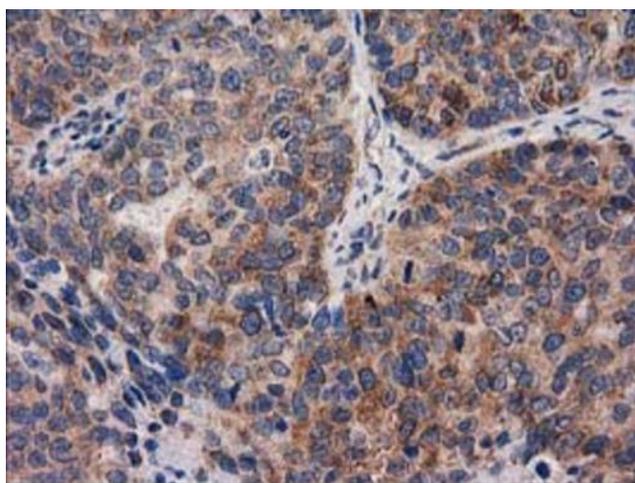
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**Product images:**

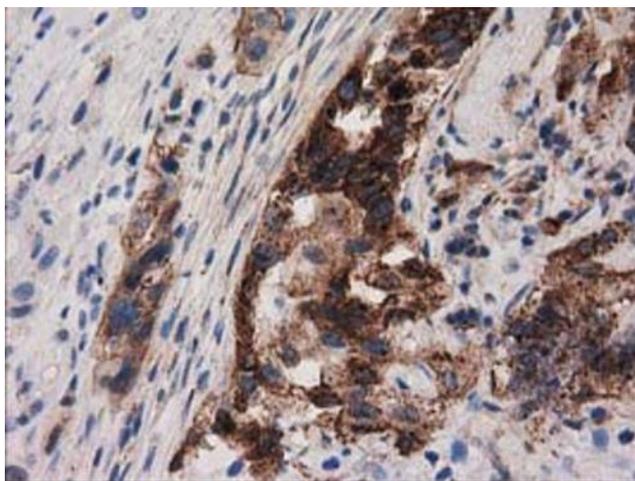
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PYCR2 ([RC204525], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PYCR2. Positive lysates [LY402246] (100ug) and [LC402246]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



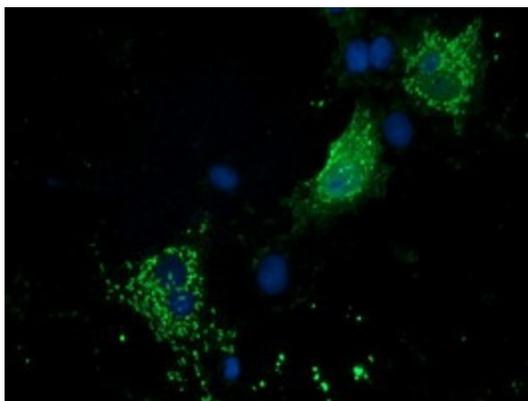
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PYCR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501900])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PYCR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501900])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PYCR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501900])



Anti-PYCR2 mouse monoclonal antibody ([TA501900]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PYCR2 ([RC204525]).