

For Research Use Only

# PYCR2 Monoclonal antibody

Catalog Number: 68488-1-Ig



## Basic Information

<b>Catalog Number:</b> 68488-1-Ig	<b>GenBank Accession Number:</b> BC020553	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29920	<b>CloneNo.:</b> 2G7D9
<b>Source:</b> Mouse	<b>Full Name:</b> pyrroline-5-carboxylate reductase family, member 2	<b>Recommended Dilutions:</b> WB 1:5000-1:20000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 320 aa, 34 kDa	
<b>Immunogen Catalog Number:</b> AG10923	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, LNCaP cells, K-562 cells, THP-1 cells, HEK-293 cells
<b>Species Specificity:</b> Human	

## Background Information

PYCR2, also named as P5CR2, belongs to the pyrroline-5-carboxylate reductase family. It catalyses the reaction: L-proline + NAD(P)<sup>+</sup> = 1-pyrroline-5-carboxylate + NAD(P)H. This antibody may have cross reaction to PYCR1 due to the high homology.

## Storage

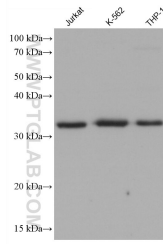
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

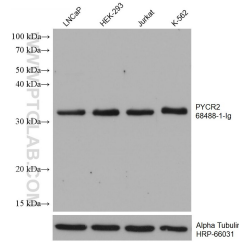
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68488-1-Ig (PYCR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68488-1-Ig (PYCR2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.