



PYCR2 Mouse mAb

Catalog No	YP-mAb-19172
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PYCR2
Immunogen	Synthesized peptide derived from human PYCR2
Specificity	This antibody detects endogenous levels of PYCR2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HLD10;P5CR2;PYCR2;Pyrroline-5-carboxylate reductase 2 (P5C reductase 2) (P5CR 2) (EC 1.5.1.2)
Observed Band	35kDa
Calculated Molecular Weight	34kDa
Cell Pathway	Cytoplasm . Mitochondrion .
Tissue Specificity	Detected in erythrocytes (at protein level) (PubMed:2722838, PubMed:6894153) . Expressed in fetal brain (PubMed:25865492).
Function	Housekeeping enzyme that catalyzes the last step in proline biosynthesis. In some cell types, such as erythrocytes, its primary function may be the generation of NADP(+). Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH . Involved in cellular response to oxidative stress .
Background	
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images