



P5CR1 mouse mAb

Catalog No	YP-mAb-17244
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC, WB
Gene Name	PYCR1
Immunogen	Synthesized peptide derived from human C-terminal P5CR1
Specificity	This antibody detects endogenous levels of P5CR1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	mouse, Monoclonal
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIG45;P5CR 1;P5CR;P5C reductase 1;P5C;PYCR1;Pyrroline-5-carboxylate reductase 1;mitochondrial (P5C reductase 1) (P5CR 1) (EC 1.5.1.2); mitochondrial (P5C reductase 1) (P5CR 1) (EC 1.5.1.2)
Calculated Molecular Weight	319 aa, 33 kDa
Cell Pathway	Mitochondrion .
Tissue Specificity	
Function	Housekeeping enzyme that catalyzes the last step in proline biosynthesis. Can utilize both NAD and NADP, but has higher affinity for NAD. Involved in the 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.



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