



P5CS mouse mAb

Catalog No	YP-mAb-18293
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ALDH18A1 GSAS P5CS PYCS
Immunogen	Synthesized peptide derived from human P5CS
Specificity	This antibody detects endogenous levels of P5CS at Human, Mouse
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALDH18A1;Aldehyde dehydrogenase family 18 member A1;Delta-1-pyrroline-5-carboxylate synthase;Gamma-glutamyl kinase;Gamma-glutamyl phosphate reductase;ALDH18A1 GSAS P5CS PYCS;Delta-1-pyrroline-5-carboxylate synthase (P5CS) (Aldehyde dehydrogenase family 18 member A1) [Includes: Glutamate 5-kinase (GK) (EC 2.7.2.11) (Gamma-glutamyl kinase);Gamma-glutamyl phosphate reductas
Observed Band	87 kDa
Calculated Molecular Weight	795 aa, 87 kDa
Cell Pathway	Mitochondrion inner membrane .
Tissue Specificity	
Function	Bifunctional enzyme that converts glutamate to glutamate 5-semialdehyde, an intermediate in the biosynthesis of proline, ornithine and arginine.
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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