



ATPBD3 Monoclonal Antibody

Catalog No	YP-mAb-00679
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CTU1
Immunogen	The antiserum was produced against synthesized peptide derived from human ATPBD3. AA range:291-340
Specificity	ATPBD3 Monoclonal Antibody detects endogenous levels of ATPBD3 protein.
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	NCS6;CTU1;ATPBD3;Cytoplasmic tRNA 2-thiolation protein 1;ATP-binding domain-containing protein 3;Cancer-associated gene protein;Cytoplasmic tRNA adenylyltransferase 1
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Brain,Epithelium,Teratocarcinoma,
Function	function:Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Directly binds tRNAs and probably acts by catalyzing adenylation of tRNAs, an intermediate required for 2-thiolation. It is unclear whether it acts as a sulfurtransferase that transfers sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position., pathway:tRNA modification; 5-methoxycarbonylmethyl-2-thiouridine-tRNA biosynthesis.,similarity:Belongs to the ttcA family. CTU1/NCS6/ATPBD3 subfamily.,subunit:Component of a complex at least composed of URM1, CTU2/ NCS2 and ATPBD3/NCS6. May for a heterodimer with CTU2/NCS2.,



Background

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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

