

Product name:	ATPBD3 Rabbit Polyclonal Antibody
Cat number:	ABN07348
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human ATPBD3. AA range:291-340
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	36kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	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 form a heterodimer with CTU2/NCS2.,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 form a heterodimer with CTU2/NCS2.,