



ATPBD3 Polyclonal Antibody

Cat No: HR1AP9047

For research use only

Overview

Product Name	ATPBD3 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	36kDa
GenID?Human?	CTU1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	CTU1; ATPBD3; NCS6; Cytoplasmic tRNA 2-thiolation protein 1; ATP-binding domain-containing protein 3; Cancer-associated gene protein; Cytoplasmic tRNA adenylyltransferase 1
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 itcA 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.,