

ATPBD3 Rabbit pAb

CatalogNo: YT0414

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 36kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human ATPBD3. AA range:291-340

Specificity ATPBD3 Polyclonal Antibody detects endogenous levels of ATPBD3 protein.

Target Information

Gene name CTU1

Protein Name Cytoplasmic tRNA 2-thiolation protein 1

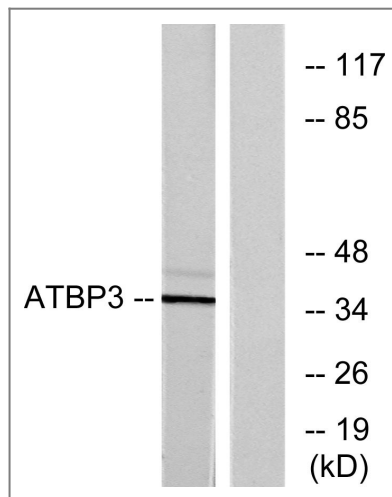
Organism	Gene ID	UniProt ID
Human	90353 ;	Q7Z7A3 ;
Mouse		Q99J10 ;

Cellular Localization Cytoplasm.

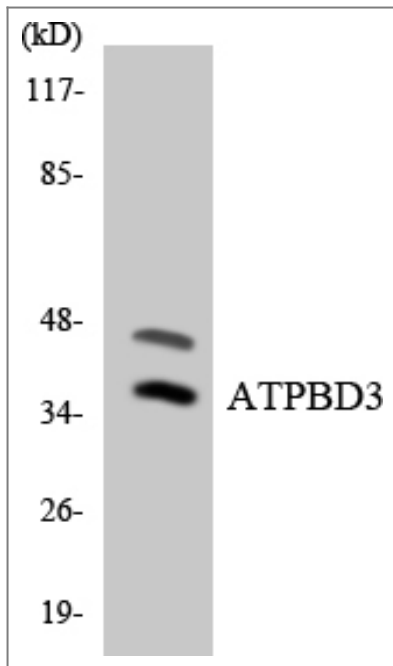
Tissue specificity Brain,Epithelium,Teratocarcinoma,

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 form a heterodimer with CTU2/NCS2.,

Validation Data



Western blot analysis of lysates from LOVO cells, using ATPBD3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using ATPBD3 antibody.

Contact information

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ATPBD3 Rabbit pAb

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