Datasheet for ABIN2786638

anti-ATP5F1D antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP5F1D
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5F1D antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Sequence:	SVQLLAEEAV TLDMLDLGAA RANLEKAQSE LSGAADEAAR AEIQIRIEAN
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rat: 93%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against Atp5d. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATP5F1D
Alternative Name:	Atp5d (ATP5F1D Products)

Target Details

Background:	Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP turnover in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F1 domain and of the central stalk which is part of the complex rotary element. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits. Alias Symbols: 0610008F14Rik, 1500000I11Rik, AA960090, AI876556, AU020773, C85518 Protein Interaction Partner: Fbxo32, Invs, Htt, Protein Size: 168
Molecular Weight:	18 kDa
Gene ID:	66043
NCBI Accession:	NM_025313, NP_079589
UniProt:	Q9D3D9
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 168 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

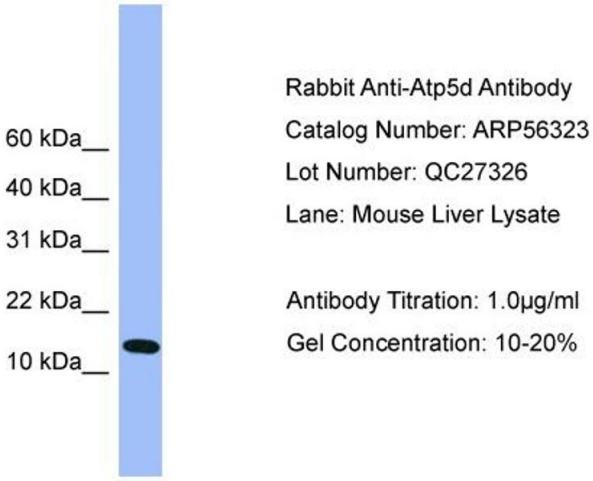
Images

Western Blotting

Image 1. WB Suggested Anti-Atp5d Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Mouse Liver



Western Blotting

Image 2. WB Suggested Anti-Atp5d

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control: Mouse Liver