Datasheet for ABIN7144845

anti-ATP5H antibody (AA 1-161)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP5H
Binding Specificity:	AA 1-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human ATP synthase subunit d, mitochondrial protein (1-161AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP5H
Alternative Name:	ATP5H (ATP5H Products)
Background:	Background: Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is

Target Details

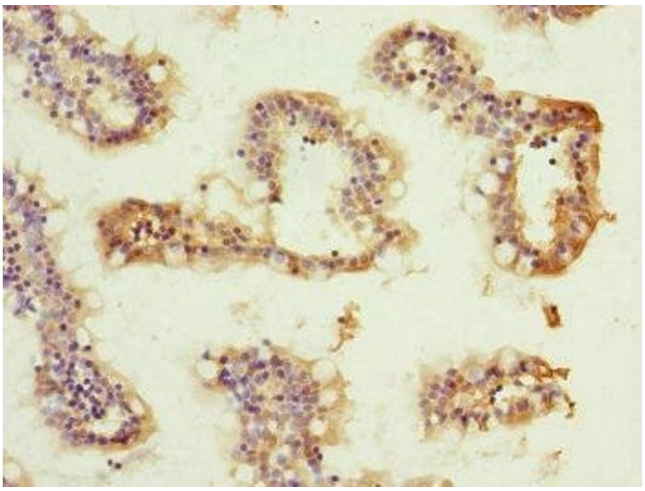
	generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements. Aliases: ATP synthase D chain mitochondrial antibody, ATP synthase H+ transporting mitochondrial F1F0 subunit antibody, ATP synthase H+ transporting mitochondrial F1F0 subunit d antibody, ATP synthase subunit d antibody, ATP synthase subunit d, mitochondrial antibody, ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d antibody, ATP5H antibody, ATP5H_HUMAN antibody, ATP5JD antibody, ATPase subunit d antibody, ATPQ antibody, mitochondrial antibody, My032 protein antibody
UniProt:	O75947
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

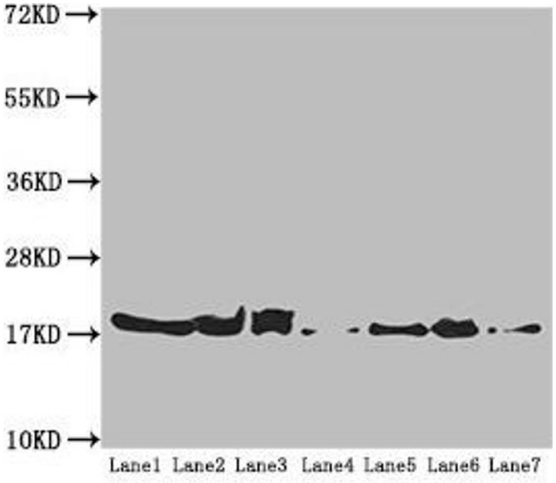
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



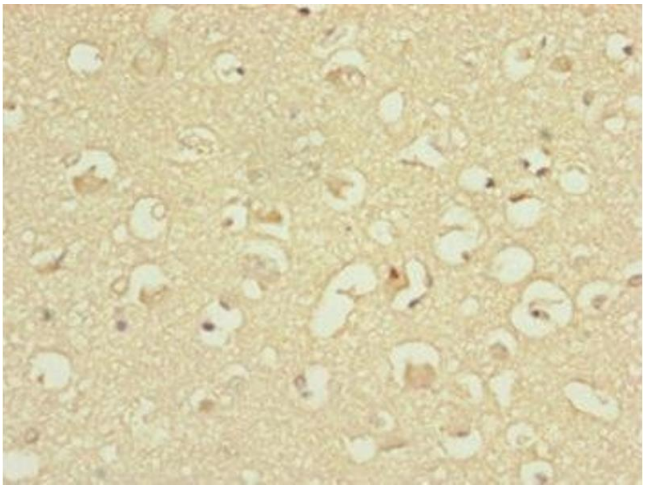
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7144845 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: ATP5H antibody at 5.16 µg/mL Lane 1: Mouse kidney tissue Lane 2: Mouse liver tissue Lane 3: Mouse brain tissue Lane 4: Hela whole cell lysate Lane 5: HepG2 whole cell lysate Lane 6: PC-3 whole cell lysate Lane 7: U251 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 19, 16 kDa Observed band size: 19 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7144845 at dilution of 1:100