Datasheet for ABIN7144871

anti-ATP5J antibody (AA 1-108)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP5J
Binding Specificity:	AA 1-108
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5J antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human ATP synthase-coupling factor 6, mitochondrial protein (1-108AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP5J
Alternative Name:	ATP5J (ATP5J Products)
Background:	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

Target Details

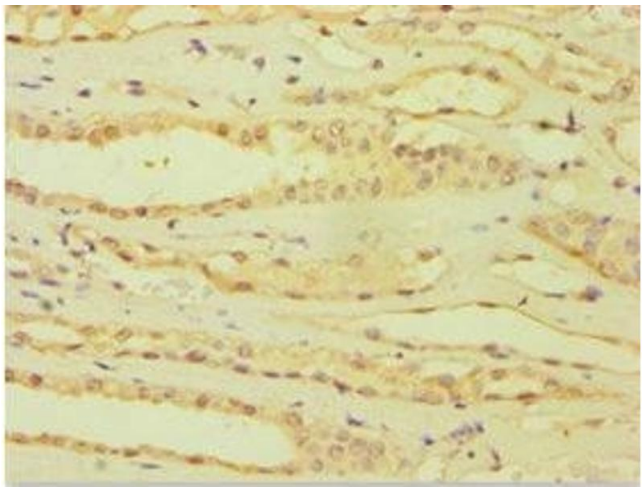
	generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. Also involved in the restoration of oligomycin-sensitive ATPase activity to depleted F1-F0 complexes. Aliases: ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6 antibody, ATP synthase-coupling factor 6, mitochondrial antibody, ATP synthase-coupling factor 6, mitochondrial antibody, ATP5 antibody, ATP5A antibody, ATP5J antibody, ATP5J_HUMAN antibody, ATPase subunit F6 antibody, ATPM antibody, CF6 antibody, F6 antibody
UniProt:	P18859
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

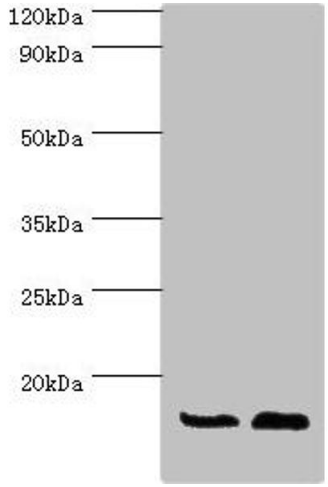
Handling

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.



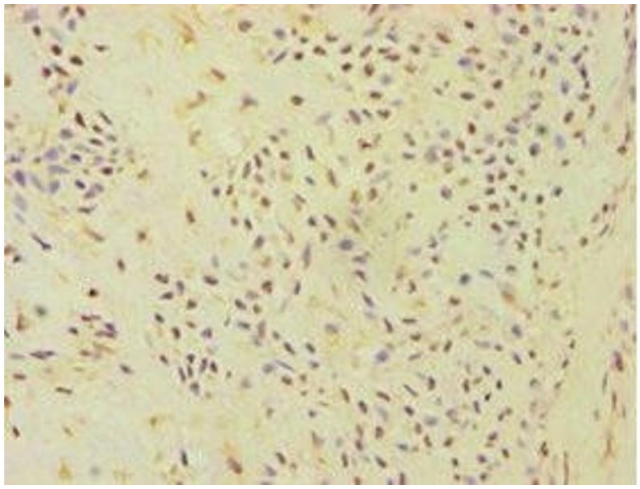
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7144871 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: ATP5J antibody at 7 µg/mL Lane 1: Rat brain tissue Lane 2: Mouse heart tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 13, 14 kDa Observed band size: 13 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7144871 at dilution of 1:100

