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anti-MT-ATP6 antibody

2 Images



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Overview

Quantity:	100 μL
Target:	MT-ATP6
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MT-ATP6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	MT-ATP6 Rabbit pAb
Immunogen:	Recombinant protein of human MT-ATP6.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MT-ATP6
Alternative Name:	MT-ATP6 (MT-ATP6 Products)
Background:	Mitochondrial membrane ATP synthase (F(1F(0 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, 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. Key component of the proton channel, it may play a direct role in the translocation of protons across the membrane.,ATPase6,MTATP6,MT-ATP6,Endocrine & Metabolism,Mitochondrial metabolism,Neuroscience,Neurodegenerative Diseases,MT-ATP6

Molecular Weight: 25kDa

Gene ID: 4508

UniProt: P00846

Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

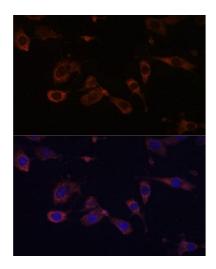
 Application Notes:
 WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100

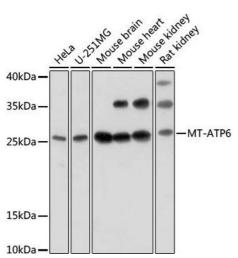
 Restrictions:
 For Research Use only

Handling

Pathways:

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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using MT- Polyclonal Antibody (ABIN7268592) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MT- antibody (ABIN7268592) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 min.