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### anti-Mitochondrially Encoded ATP Synthase 8 (MT-ATP8) antibody



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#### 3 Images

Overview	
Quantity:	100 μL
Target:	Mitochondrially Encoded ATP Synthase 8 (MT-ATP8)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)
Product Details	
Purpose:	MT-ATP8 Rabbit pAb
Immunogen:	Recombinant protein of human MT-ATP8.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification
Target Details	
Target:	Mitochondrially Encoded ATP Synthase 8 (MT-ATP8)
Alternative Name:	MT-ATP8 (MT-ATP8 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. Part of the complex F(0 domain. Minor subunit located with subunit a in the membrane (By similarity.,ATPase8,MTATP8,ATP8,MT-ATP8,MT-ATP8

Molecular Weight:

8kDa

Gene ID:

4509

UniProt:

P03928

Pathways:

Proton Transport, Ribonucleoside Biosynthetic Process

#### **Application Details**

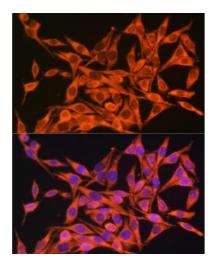
Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100

Restrictions: For Research Use only

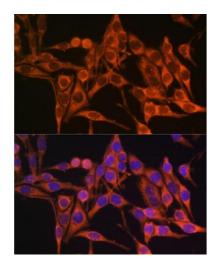
#### Handling

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.



# 17kDa— 1.7kDa— 1.7kDa— 1.7kDa— 1.7kDa— 1.7kDa—



#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of HeLa cells using MT- antibody (ABIN7268594) at dilution of 1:100. Blue: DAPI for nuclear staining.

#### **Western Blotting**

Image 2. Western blot analysis of extracts of various cell lines, using MT- antibody (ABIN7268594) at 1:1920 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: 10s.

#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells using MT- antibody (ABIN7268594) at dilution of 1:100. Blue: DAPI for nuclear staining.