

Datasheet for ABIN6137340
anti-MT-ATP6 antibody (C-Term)



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Overview

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

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of mouse ATP6 (NP_904333.1).
Sequence:	MNLSMAIPLW AGAVITGFRH KLKSSLAHFL PQGTPISLIP MLIIITETISL FIQPMALAVR LTANITAGHL LMHLIGGATL VLMNISPPTA TITFIILLLL TILEFAVALI QAYVFTLLVS LYLHDNT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MT-ATP6
Alternative Name:	MT-ATP6 (MT-ATP6 Products)
Background:	<p>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 synthesis in the catalytic domain of F₁ 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.,MT-ATP6,ATPase6,MTATP6,ATP6,Endocrine & Metabolism,Mitochondrial metabolism,Neuroscience,Neurodegenerative Diseases,MT-ATP6</p>
Molecular Weight:	25 kDa
Gene ID:	17705
UniProt:	P00848
Pathways:	Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
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.

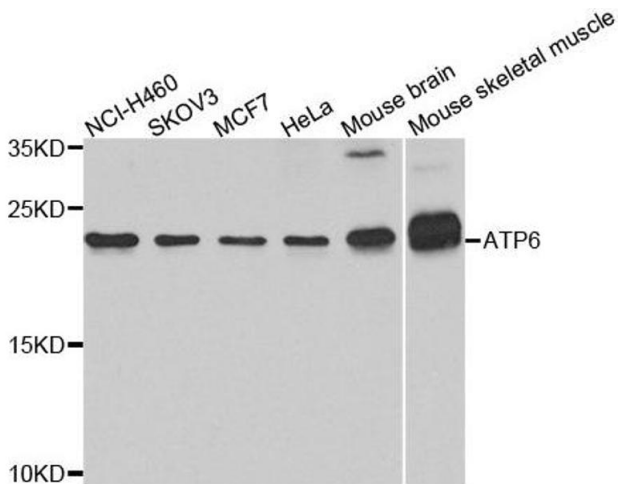
Publications

Product cited in:

Chen, Li, Li, Feng, Liu, Wang, Dai, Xia, Lu, Zhou, Guo: "15-Deoxy- Δ 12,14-prostaglandin J2 alleviates hepatic ischemia-reperfusion injury in mice via inducing antioxidant response and inhibiting apoptosis and autophagy." in: **Acta pharmacologica Sinica**, Vol. 38, Issue 5, pp. 672-687, (2018) ([PubMed](#)).

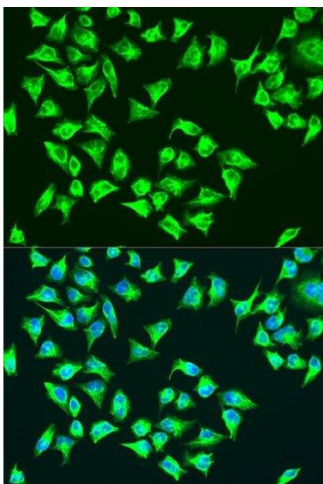
Zhang, Liu, Xue, Ma, Liu, Li, Li, Liu: "Endothelial Monocyte-Activating Polypeptide-II Induces BNIP3-Mediated Mitophagy to Enhance Temozolomide Cytotoxicity of Glioma Stem Cells via Down-Regulating MiR-24-3p." in: **Frontiers in molecular neuroscience**, Vol. 11, pp. 92, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ATP6 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using ATP6 antibody.