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Datasheet for ABIN1680918

anti-MT-ND1 antibody (AA 1-100)

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Overview

Quantity:	100 µg
Target:	MT-ND1
Binding Specificity:	AA 1-100
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of mouse MT-ND1 (NP_904328.1).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MT-ND1
Alternative Name:	MT-ND1 (MT-ND1 Products)
Background:	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex

Target Details

I which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor. Essential for the catalytic activity and assembly of complex I.,MTND1,ND1,NADH dehydrogenase subunit 1,NADH1,MT-ND1,MT-ND1

Molecular Weight: 36 kDa

Gene ID: 17733

UniProt: [P03888](#)

Application Details

Application Notes: WB,1:500 - 1:1000

Restrictions: For Research Use only

Handling

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: van Tilburg, Warmer, van Heel, Sauer, Kuipers: "Membrane composition and organization of Bacillus subtilis 168 and its genome-reduced derivative miniBacillus PG10." in: **Microbial biotechnology**, Vol. 15, Issue 5, pp. 1633-1651, (2022) ([PubMed](#)).

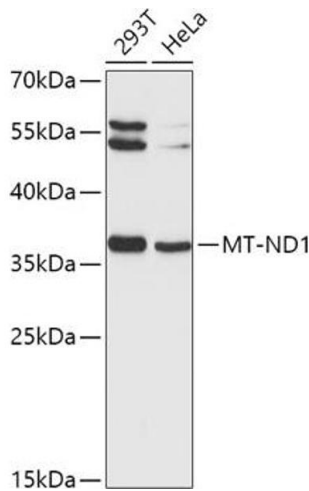
Ahrens, Appl, Trochimiuk, Dücker, Feixas Serra, Oliver Grau, Reinshagen, Pagerols Raluy: "Kigelia africana inhibits proliferation and induces cell death in stage 4 Neuroblastoma cell lines." in: **Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie**, Vol. 154, pp. 113584, (2022) ([PubMed](#)).

Xu, Huang, Liu, Chen, Chen, Yang, Zhao, Li, Duan, Liu, Yang: "Survivin regulated by autophagy mediates hyperglycemia-induced vascular endothelial cell dysfunction." in: **Experimental cell research**, Vol. 364, Issue 2, pp. 152-159, (2019) ([PubMed](#)).

Merten, Fischer, Simon, Zhang, Schröder, Peters, Letombe, Hennen, Schrage, Bödefeld, Vermeiren, Gillard, Mohr, Lu, Brüstle, Gomeza, Kostenis: "Repurposing HAMI3379 to Block GPR17 and Promote Rodent and Human Oligodendrocyte Differentiation." in: **Cell chemical biology**, Vol. 25, Issue 6, pp. 775-786.e5, (2019) ([PubMed](#)).

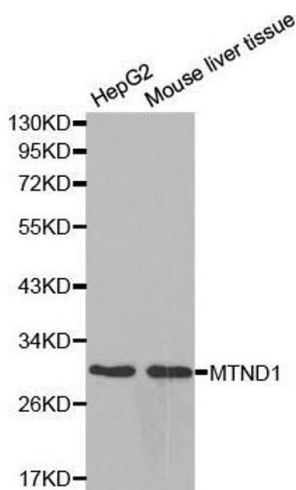
Yang, Li, Wu, Shen, Zeng, Xiong, Wei, Chen, Liu, Huo, Li, Xue, Yao, Zhang, Li, Chen, Luo: "Comprehensive integrative analyses identify GLT8D1 and CSNK2B as schizophrenia risk genes." in: **Nature communications**, Vol. 9, Issue 1, pp. 838, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MT-ND1 antibody (ABIN1680918, ABIN3019409, ABIN3019410 and ABIN6220887) 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: 5s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MTND1 antibody.