

**DATASHEET**

**MT-ND3 Rabbit Polyclonal Antibody**

CAT. NO. APA16211

**KEY FEATURES**

Target	MT-ND3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor . Essential for the catalytic activity of complex I .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

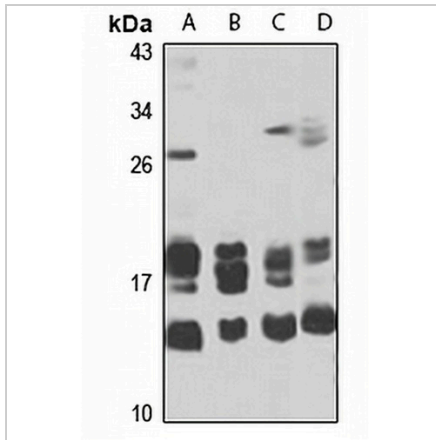
Description	Rabbit polyclonal antibody to MT-ND3
Specificity	Recognizes endogenous levels of MT-ND3 protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human MT-ND3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 13 kD; Observed: 13 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	MTND3; NADH3; ND3; NADH-ubiquinone oxidoreductase chain 3; NADH dehydrogenase subunit 3
Gene Symbol	MT-ND3
Entrez Gene	4537(Human); 17718; 3338896(Mouse)
SwissProt	P03897(Human); P03899(Mouse); P05506(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of MT-ND3 expression in HEK293T (A), PC12 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 13 kD; Observed band size: 13 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.