# antibodies -online.com







# anti-MT-ND5 antibody (AA 451-550)

Image



Publication



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Quantity:	100 μL	
Target:	MT-ND5	
Binding Specificity:	AA 451-550	
Reactivity:	Human, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MT-ND5 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human MT-ND5	
Isotype:	IgG	
Cross-Reactivity:	Human, Rat	
Purification:	Purified by Protein A.	

## Target Details

Target:	MT-ND5
Alternative Name:	MT-ND5 (MT-ND5 Products)

## **Target Details**

Background:	Synonyms: MTND5, NADH-ubiquinone oxidoreductase chain 5, NADH dehydrogenase subunit	
	5, MT-ND5, NADH5, ND5	
	Background: Core subunit of the mitochondrial membrane respiratory chain NADH	
	dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for	
	catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain.	
	The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).	
Gene ID:	4540	
UniProt:	P03915	

## **Application Details**

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

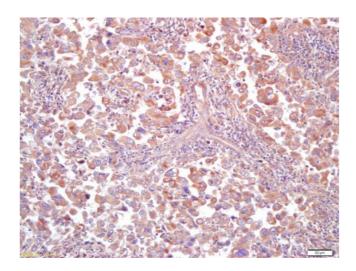
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Publications**

Product cited in:

Wu, Zhang, Nickerson, Gao, Sun, Chen, Zhang, Zhang, Gao, Chen, Luo, Wang, Sun: "Cumulative mtDNA damage and mutations contribute to the progressive loss of RGCs in a rat model of glaucoma." in: **Neurobiology of disease**, Vol. 74, pp. 167-79, (2015) (PubMed).

#### **Images**



### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti MT-ND5Polyclonal Antibody (ABIN751633), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining