

# ND1 Polyclonal Antibody

Catalog # AP71183

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P03886</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	35661

## Additional Information

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<b>Gene ID</b>	4535
<b>Other Names</b>	MT-ND1; MTND1; NADH1; ND1; NADH-ubiquinone oxidoreductase chain 1; NADH dehydrogenase subunit 1
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	MT-ND1
<b>Synonyms</b>	MTND1, NADH1, ND1
<b>Function</b>	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 (PubMed: <a href="#">1959619</a> ). Essential for the catalytic activity and assembly of complex I (PubMed: <a href="#">1959619</a> , PubMed: <a href="#">26929434</a> ).
<b>Cellular Location</b>	Mitochondrion inner membrane {ECO:0000250 UniProtKB:P03887}; Multi-pass membrane protein

## Background

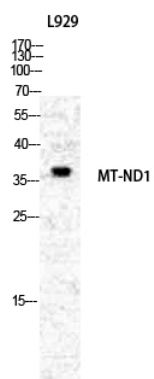
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Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed

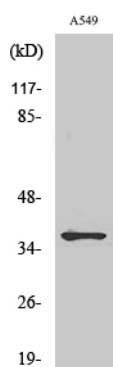
to be ubiquinone (By similarity).

## Images

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Western Blot analysis of various cells using ND1  
Polyclonal Antibody diluted at 1 : 1000



Western Blot analysis of COLO205 cells using ND1  
Polyclonal Antibody diluted at 1 : 1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.