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ND1 Polyclonal Antibody

Catalog # AP71183

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P03886
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35661

Additional Information

Gene ID	4535
Other Names	MT-ND1; MTND1; NADH1; ND1; NADH-ubiquinone oxidoreductase chain 1; NADH dehydrogenase subunit 1
Dilution	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 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

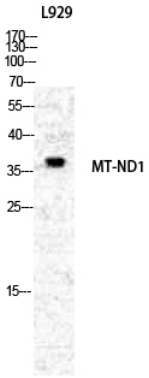
Name	MT-ND1
Synonyms	MTND1, NADH1, ND1
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:1959619). Essential for the catalytic activity and assembly of complex I (PubMed:1959619, PubMed:26929434).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

Background

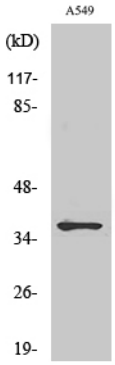
Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of

electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).

Images



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