

Rabbit anti-Human MT-ND1 Polyclonal Antibody | anti-MT-ND1 antibody

MT-ND1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307936	Rabbit	Human	Immunohistochemistry, Western Blot

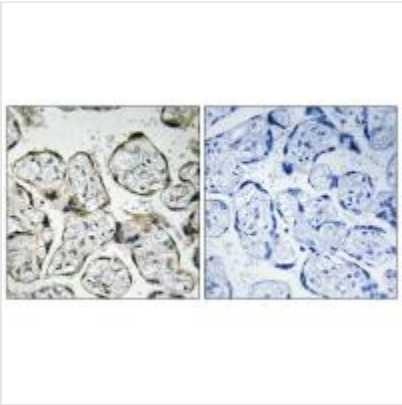
PRODUCT SYNONYMS

MT-ND1; Polyclonal Antibody; MT-ND1 Antibody; NADH-ubiquinone oxidoreductase chain 1; EC 1.6.5.3; NADH dehydrogenase subunit 1; MTND1; anti-MT-ND1 antibody

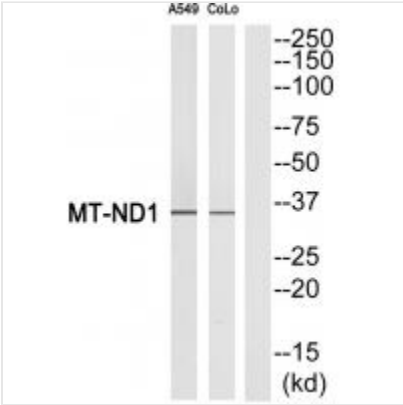
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MT-ND1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	318
Applicable Applications for anti-MT-ND1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MT-ND1.
Target Name	MT-ND1
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using MT-ND1 antibody.



WB (Western Blot)
Western blot analysis of extracts from A549 cells and COLO cells, using MT-ND1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND1 antibody	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. HAMAP-Rule MF_01350Anderson S., Nature 290:457-465(1981).Horai S., Proc. Natl. Acad. Sci. U.S.A. 92:532-536(1995).Moilanen J.S., Mol. Biol. Evol. 20:2132-2142(2003).
Product Categories/Family for anti-MT-ND1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831107
NCBI GeneID	4535
NCBI Accession #	YP_003024026.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P03886; Q37523; C0JKH6
Molecular Weight	35,661 Da
NCBI Official Full Name	NADH dehydrogenase subunit 1 (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 1
NCBI Official Symbol	MT-ND1
NCBI Official Synonym Symbols	MTND1; ND1
NCBI Protein Information	NADH dehydrogenase, subunit 1 (complex I)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 1
UniProt Gene Name	MT-ND1
UniProt Synonym Gene Names	MTND1; NADH1; ND1
UniProt Entry Name	NU1M_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

