

Rabbit anti-Human ND3 Polyclonal Antibody | anti-MT-ND3 antibody

ND3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284239	Rabbit	Human	Western Blot, ELISA, Flow Cytometry, Functional Assay

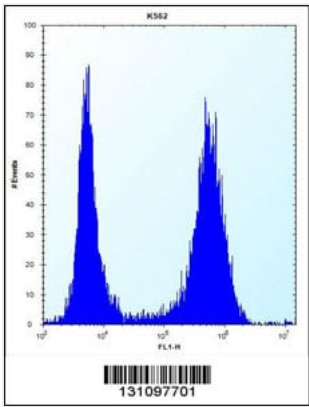
PRODUCT SYNONYMS

ND3; Polyclonal Antibody; ND3 Antibody (N-term); NADH-ubiquinone oxidoreductase chain 3; NADH dehydrogenase subunit 3; MT-ND3; MTND3; NADH3; anti-MT-ND3 antibody

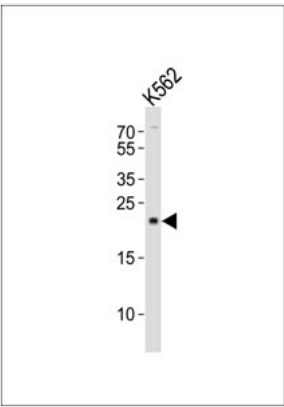
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ND3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-38 amino acids from the N-terminal region of human ND3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	10-38
Sequence Length	115
Applicable Applications for anti-MT-ND3 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Calculated MW	13186
Cellular location	Mitochondrion membrane; Multi-pass membrane protein.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
ND3 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of lysate from K562 cell line, using ND3 Antibody (N-term). AAA284239 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND3 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).
Product Categories/Family for anti-MT-ND3 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831114
NCBI GeneID	4537
NCBI Accession #	YP_003024033.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P03897
NCBI Official Full Name	NADH dehydrogenase subunit 3 (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 3
NCBI Official Symbol	MT-ND3
NCBI Official Synonym Symbols	MTND3; ND3
NCBI Protein Information	NADH dehydrogenase, subunit 3 (complex I)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 3
UniProt Gene Name	MT-ND3
UniProt Synonym Gene Names	MTND3; NADH3; ND3
UniProt Entry Name	NU3M_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.