

Rabbit anti-Human ND5 Polyclonal Antibody | anti-MT-ND5 antibody

ND5 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290163	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

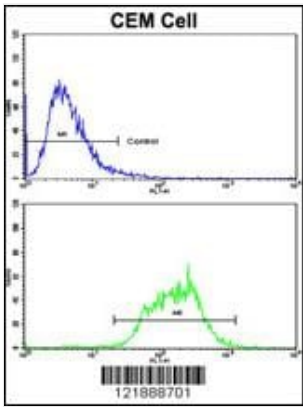
PRODUCT SYNONYMS

ND5; Polyclonal Antibody; ND5 Antibody (C-term); NADH-ubiquinone oxidoreductase chain 5; NADH dehydrogenase subunit 5; MT-ND5; MTND5; NADH5; anti-MT-ND5 antibody

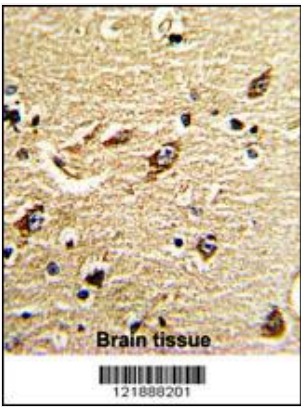
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ND5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 544-570 amino acids from the C-terminal region of human ND5.
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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	544-570
Sequence Length	603
Applicable Applications for anti-MT-ND5 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

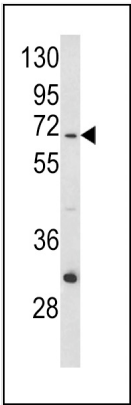
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of CEM cells using ND5 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with ND5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ND5 Antibody (C-term) in CEM cell line lysates (35ug/lane). ND5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND5 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.
Product Categories/Family for anti-MT-ND5 antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831117
NCBI GeneID	4540
NCBI Accession #	YP_003024036.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P03915; Q34773; Q8WCY3
Molecular Weight	67027
NCBI Official Full Name	NADH dehydrogenase subunit 5 (mitochondrion)

NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 5
NCBI Official Symbol	MT-ND5
NCBI Official Synonym Symbols	MTND5; ND5
NCBI Protein Information	NADH dehydrogenase, subunit 5 (complex I)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Gene Name	MT-ND5
UniProt Synonym Gene Names	MTND5; NADH5; ND5
UniProt Entry Name	NU5M_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nd5-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290163>