

Rabbit anti-Human ND2 Polyclonal Antibody | anti-MT-ND2 antibody

ND2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290590	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

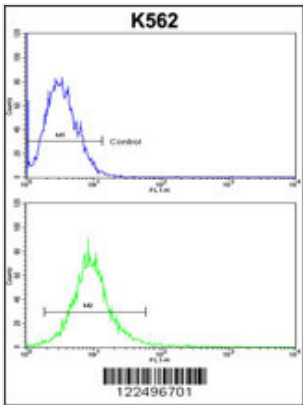
PRODUCT SYNONYMS

ND2; Polyclonal Antibody; ND2 Antibody (N-term); Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab); NADH-ubiquinone oxidoreductase chain 2; NADH dehydrogenase subunit 2; MT-ND2; MTND2; NADH2; anti-MT-ND2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This ND2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human ND2.
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 Length	347
Applicable Applications for anti-MT-ND2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	31-59
Antigen Source	Human
Antigen Type	Synthetic Peptide
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.

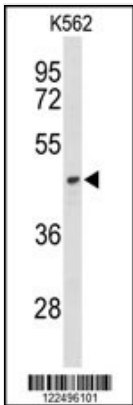
IMAGES



FCM/FACS (Flow Cytometry)
ND2 Antibody (N-term) flow cytometric analysis of k562 cells (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 ND2 Antibody (N-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 ND2 Antibody (N-term) in K562 cell line lysates (35ug/lane). ND2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND2 antibody	ND2 is core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. This protein 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
References	Saitoh,K., et.al., J. Mol. Evol. 63 (6), 826-841 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831108
NCBI GeneID	4536
NCBI Accession #	YP_003024027.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P03891; Q34769; Q9TGI0; Q9TGI1; Q9TGI2; Q9TGI3; Q9TGI4
Molecular Weight	38961
NCBI Official Full Name	NADH dehydrogenase subunit 2 (mitochondrion)

NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 2
NCBI Official Symbol	MT-ND2
NCBI Official Synonym Symbols	MTND2; ND2
NCBI Protein Information	MTND2
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 2
UniProt Gene Name	MT-ND2
UniProt Synonym Gene Names	MTND2; NADH2; ND2
UniProt Entry Name	NU2M_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://www.aaabiotech.com/polyclonal/nd2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290590>