

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

MT-ND5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324877	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

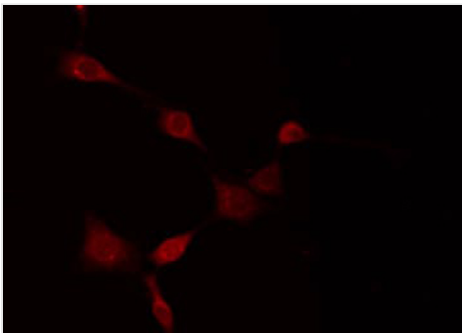
PRODUCT SYNONYMS

MT-ND5; Polyclonal Antibody; MT-ND5 Antibody; Complex I; subunit ND5; EC 1.6.5.3; Mitochondrially encoded NADH dehydrogenase 5; MT ND5; MTND 5; MTND5; NAD5; NADH dehydrogenase subunit 5 (complex I); NADH dehydrogenase subunit 5; NADH ubiquinone oxidoreductase; NADH ubiquinone oxidoreductase chain 5; NADH-ubiquinone oxidoreductase chain 5; NADH5; ND5; NU5M_HUMAN; anti-MT-ND5 antibody

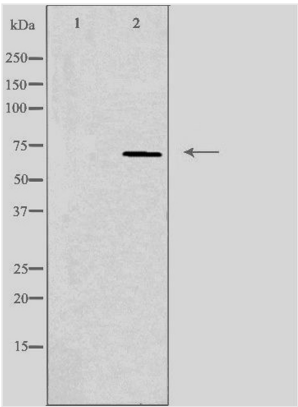
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MT-ND5 antibody detects endogenous levels of total MT-ND5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	603
Applicable Applications for anti-MT-ND5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324877 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using MT-ND5 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND5 antibody	Function: 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). Similarity: Belongs to the complex I subunit 5 family.
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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	Observed: 70 kD Predicted: 68 kDa
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

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.