

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

MT-ND2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328055	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

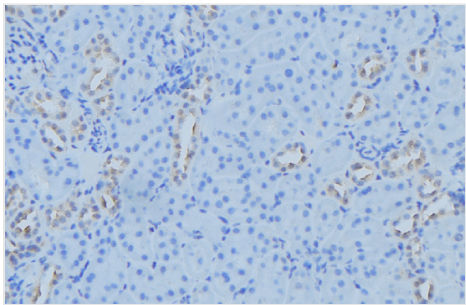
PRODUCT SYNONYMS

MT-ND2; Polyclonal Antibody; MT-ND2 Antibody; MTND2; NADH dehydrogenase subunit 2; NADH ubiquinone oxidoreductase chain 2; ND2; anti-MT-ND2 antibody

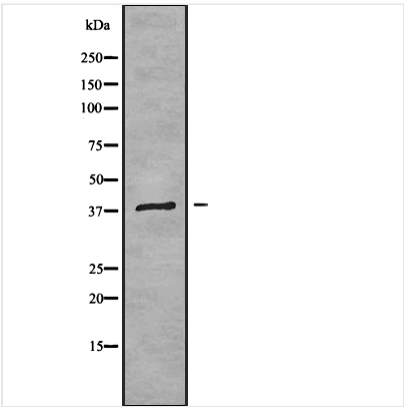
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MT-ND2 antibody detects endogenous levels of total MT-ND2
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	347
Applicable Applications for anti-MT-ND2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MT-ND2
Subcellular Location	Mitochondrion Inner Membrane; Multipass Membrane Protein.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (82%), Zebrafish (91%), Bovine (82%), Horse (82%), Sheep (82%), Rabbit (91%), Dog (82%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328055 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MT-ND2 using HT29 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MT-ND2 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 2 family.
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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	Observed: 39 kDa Predicted: 39 kDa
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

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.