

## Product datasheet for **TA392631S**

### MT ND3 (ND3) Rabbit Polyclonal Antibody

#### Product data:

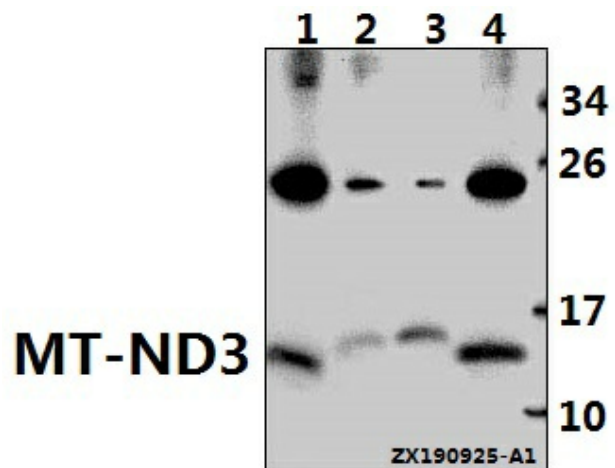
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to residues in Human MT-ND3.
Specificity:	MT-ND3 polyclonal antibody detects endogenous levels of MT-ND3 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 13 kDa
Gene Name:	mitochondrially encoded NADH dehydrogenase 3
Database Link:	<a href="#">P03897</a>
Background:	NADH:ubiquinone oxidoreductase (complex I) is an extremely complicated multiprotein complex located in the inner mitochondrial membrane. Human complex I is important for energy metabolism because its main function is to transport electrons from NADH to ubiquinone, which is accompanied by trans-location of protons from the mitochondrial matrix to the intermembrane space. Human complex I appears to consist of 41 subunits. A small number of complex I subunits are the products of mitochondrial genes (subunits 1-7), while the remainder are nuclear encoded and imported from the cytoplasm. NADH dehydrogenase subunit 3 (ND3) localizes to the hydrophobic protein fragment of complex I. Mutations in the gene encoding for ND3 may be associated with Parkinson disease.
Synonyms:	EC=1.6.5.3; MT-ND3; MTND3; NADH-ubiquinone oxidoreductase chain 3; NADH3; NADH dehydrogenase subunit 3; ND3



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Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of MT-ND3 pAb at 1:500 dilution Lane1:HepG2 whole cell lysate(40ug) Lane2:A549 whole cell lysate(40ug) Lane3:HEK293T whole cell lysate(40ug) Lane4:SGC7901 whole cell lysate(40ug)