

Product datasheet for **AP21196PU-N**

MT ND5 (ND5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 321-370 of Human ND5.
Specificity:	This antibody detects endogenous levels of ND5 protein. (region surrounding Met359)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (>95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 67 kDa
Gene Name:	mitochondrially encoded NADH dehydrogenase 5
Database Link:	Entrez Gene 4540 Human P03915



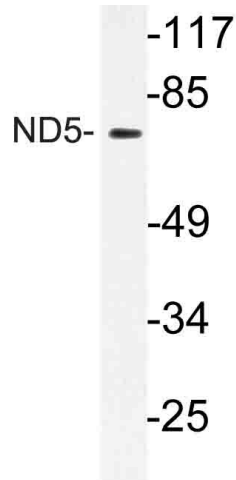
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Background:

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 5 (ND5) is most likely a component of the hydrophobic protein fragment of Complex I. Mutations in the gene encoding for ND5 are implicated in Mitochondrial neurogastrointestinal encephalomyopathy, an autosomal recessive multisystem disorder that results in dramatically elevated levels of circulating thymidine and deoxyuridine.

Synonyms:

NADH-ubiquinone oxidoreductase chain 5, MT-ND5, MTND5, NADH5

Product images:

Western blot (WB) analysis of ND5 antibody in extracts from HT-29 cells.