

## Product datasheet for **AP52845PU-N**

### NDUFS8 (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the Central region of human NDUFS8
Specificity:	This antibody recognizes Human NDUFS8 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
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.
Gene Name:	NADH:ubiquinone oxidoreductase core subunit S8
Database Link:	<a href="#">Entrez Gene 4728 Human</a> <a href="#">O00217</a>



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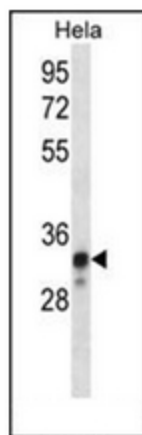
**Background:** This gene encodes a subunit of mitochondrial NADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzyme of the respiratory chain responsible for NADH oxidation, ubiquinone reduction, and the ejection of protons from mitochondria. The encoded protein is involved in the binding of two of the six to eight iron-sulfur clusters of Complex I and, as such, is required in the electron transfer process. Mutations in this gene have been associated with Leigh syndrome.

**Synonyms:** Complex I-23kD, TYKY subunit, CI-23kD

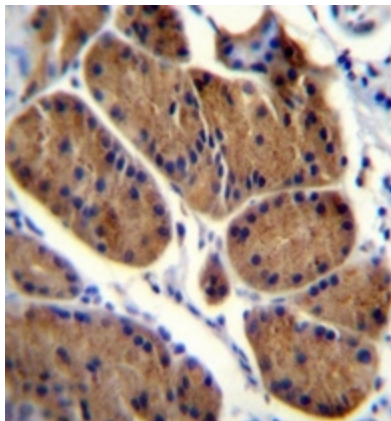
**Note:** **Molecular Weight:** 23705 Da

**Protein Pathways:** Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

### Product images:



Western blot analysis of NDUFS8 Antibody (Center) in HeLa cell line lysates (35ug/lane). This demonstrates the NDUFS8 antibody detected the NDUFS8 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue reacted with NDUFS8 Antibody (Center), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of NDUFS8 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.