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Product datasheet for AP17586PU-N

NDUFS4 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the C-terminal region of human NDUFS4
Specificity:	This antibody reacts to NDUFS4.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody 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 subunit S4
Database Link:	Entrez Gene 4724 Human O43181
Background:	NDUFS4 is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase(Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane.

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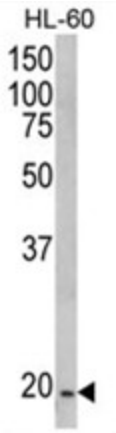
Synonyms: Complex I-18 kDa, CI-18 kDa, Complex I-AQDQ, CI-AQDQ

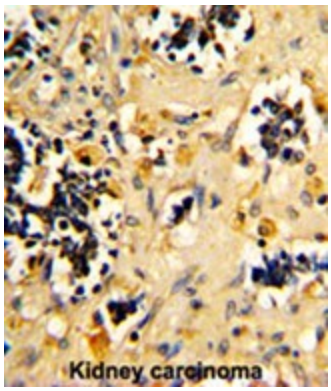
Protein Families: Druggable Genome

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

Product images:



Western blot analysis of NDUFS4 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). NDUFS4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human kidney carcinoma reacted with NDUFS4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.