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Product datasheet for TA308443

NDUFS4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 175 of NDUFS4 (Uniprot ID#O43181)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20 kDa
Gene Name:	NADH:ubiquinone oxidoreductase subunit S4
Database Link:	NP_002486 Entrez Gene 17993 MouseEntrez Gene 4724 Human O43181

View online »

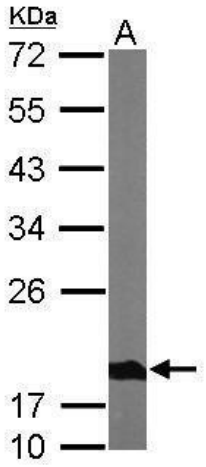
Background: This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, 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. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes. [provided by RefSeq]

Synonyms: AQDQ; CI-18

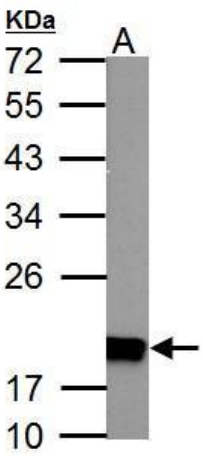
Protein Families: Druggable Genome

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

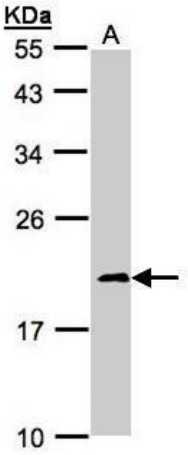
Product images:



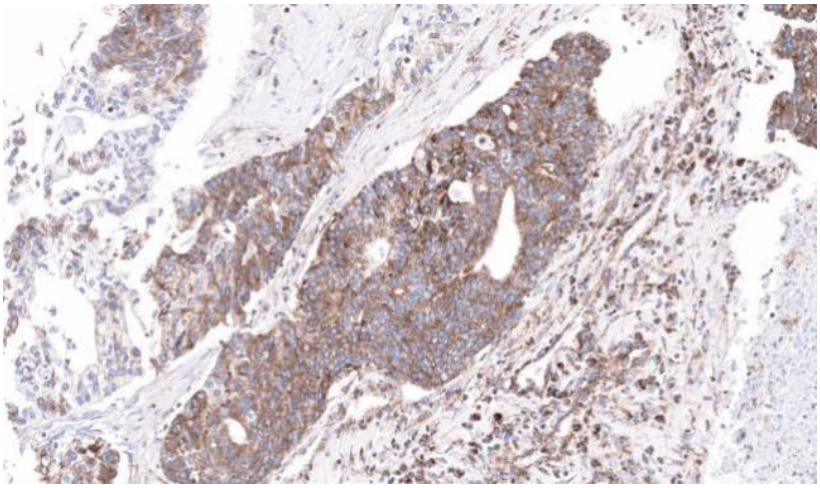
Sample (50 ug of whole cell lysate). A: Mouse brain. 12% SDS PAGE. TA308443 diluted at 1:1000.



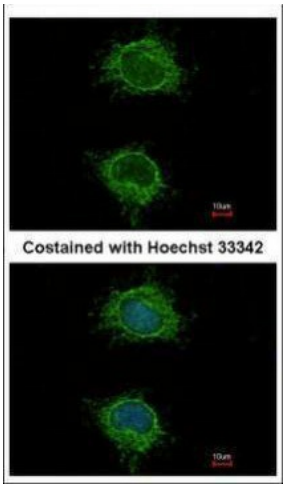
NDUFS4 antibody detects NDUFS4 protein by Western blot analysis. A. 50 ug Rat heart lysate/extract. 12% SDS-PAGE. NDUFS4 antibody (TA308443) dilution: 1:1000.



Sample (30ug whole cell lysate). A: 293T. 12% SDS PAGE. TA308443 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded OVCA, using NDUFS4 (TA308443) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using NDUFS4 (TA308443) antibody at 1:100 dilution.