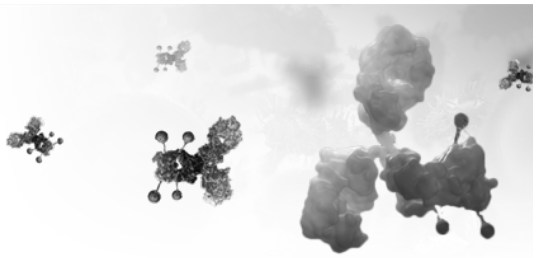

Anti-NDUFS7 (internal region) polyclonal antibody (DPAB-DC1761)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human NDUFS7. The sequence is C-SRGEYVVAKLD
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

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Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NDUFS7 NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase) [Homo sapiens (human)]
Official Symbol	NDUFS7
Synonyms	NDUFS7; NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase); PSST; CI-20; MY017; CI-20KD; NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; PSST subunit; complex I-20kD; complex I 20kDa subunit; NADH-coenzyme Q reductase; NADH:ubiquinone oxidoreductase PSST subunit; NADH-ubiquinone oxidoreductase 20 kDa subunit; complex I, mitochondrial respiratory chain, 20-KD subunit;
Entrez Gene ID	374291
Protein Refseq	NP_077718
UniProt ID	O75251
Chromosome Location	19p13.3
Pathway	Alzheimers disease; Electron Transport Chain; Huntingtons disease; NADH dehydrogenase (ubiquinone) Fe-S protein/flavoprotein complex, mitochondria
Function	4 iron, 4 sulfur cluster binding; NADH dehydrogenase (ubiquinone) activity; contributes_to NADH dehydrogenase activity; metal ion binding

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