



Anti-NDUFA2 (aa 1-99) polyclonal antibody (DPAB-DC2001)

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

PRODUCT INFORMATION

Antigen Description	The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Immunogen	NDUFA2 (NP_002479, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is MAAAAASRGVGAKLGLREIRIHL CQRSPGSQGV RDFIEKRYVELKKANPDLPILIRECSD VQPKLWARYAFGQETNVPLNFSADQVTRALENVLSGKA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NDUFA2 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa [Homo sapiens (human)]
Official Symbol	NDUFA2
Synonyms	NDUFA2; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa; B8; CD14; CIB8; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2; complex I B8 subunit; NADH-ubiquinone oxidoreductase subunit CI-B8;
Entrez Gene ID	4695
Protein Refseq	NP_001171941
UniProt ID	O43678
Chromosome Location	5q31.2
Pathway	Alzheimers disease; Electron Transport Chain; Huntingtons disease; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex.
Function	NADH dehydrogenase (ubiquinone) activity;