



Anti-NDUFB5 (aa 95-189) polyclonal antibody (DPAB-DC2004)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Three transcript variants encoding different isoforms have been found for this gene.
Immunogen	NDUFB5 (NP_002483, 95 a.a. ~ 189 a.a) partial recombinant protein with GST tag. The sequence is QAEIAEIPGYVPEHWEYYKHPISRWIARNFYDSPEKIYERTMAVLQIEAEKAEKLRVKEL EVRKLMHVRGDPWYYYETIDKELIDHSPKATPDN
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	NDUFB5 NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa [Homo sapiens (human)]
Official Symbol	NDUFB5
Synonyms	NDUFB5; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa; SGD _H ; C1SGD _H ; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial; complex I-SGD _H ; complex I SGD _H subunit; NADH-ubiquinone oxidoreductase SGD _H subunit;
Entrez Gene ID	4711
Protein Refseq	NP_001186886
UniProt ID	O43674
Chromosome Location	3q26.33
Pathway	Alzheimers disease; Electron Transport Chain; Huntingtons disease; NADH dehydrogenase (ubiquinone) 1 beta subcomplex.
Function	NADH dehydrogenase (ubiquinone) activity;