



Anti-CYCS (full length) polyclonal antibody (DPAB-DC2306)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.[provided by RefSeq, Jul 2010]
Immunogen	CYCS (AAH05299, 1 a.a. ~ 105 a.a) full-length recombinant protein with GST tag. The sequence is MGDVEKGKKIFIMKCSQCHTVEKGGKHKTGPNLHGLFGRKTGQAPGYSYTAANKNKGIIW GEDTLMEYLENPKKYIPGTMIFVGIKKKEERADLIAYLKATNE
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	CYCS cytochrome c, somatic [Homo sapiens (human)]
Official Symbol	CYCS
Synonyms	CYCS; cytochrome c, somatic; CYC; HCS; THC4; cytochrome c;
Entrez Gene ID	54205
Protein Refseq	NP_061820
UniProt ID	G4XXL9
Chromosome Location	7p15.3
Pathway	AGE/RAGE pathway; Alzheimers disease; Alzheimers Disease; Amyotrophic lateral sclerosis (ALS)
Function	electron transporter, transferring electrons from CoQH2-cytochrome c reductase complex and cytochrome c oxidase complex activity; heme binding; iron ion binding; protein binding