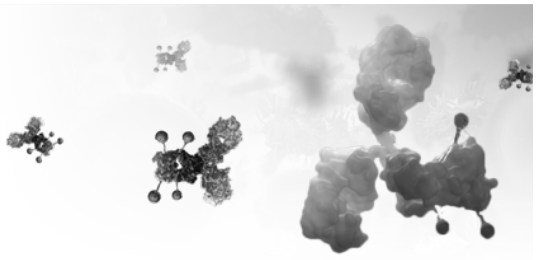

Anti-NADSYN1 (aa 609-706) polyclonal antibody (DPAB-DC2393)

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

PRODUCT INFORMATION

Antigen Description	Nicotinamide adenine dinucleotide (NAD) is a coenzyme in metabolic redox reactions, a precursor for several cell signaling molecules, and a substrate for protein posttranslational modifications. NAD synthetase (EC 6.3.5.1) catalyzes the final step in the biosynthesis of NAD from nicotinic acid adenine dinucleotide (NaAD).[supplied by OMIM, Apr 2004]
Immunogen	NADSYN1 (NP_004981, 609 a.a. ~ 706 a.a) partial recombinant protein with GST tag. The sequence is KMGPYSMFCKLLGMWRHICTPRQVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNR FDLRPFLYNTSWPWQFRCIENQVLQLERAEPQSLDGVD
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	NADSYN1 NAD synthetase 1 [Homo sapiens (human)]

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Official Symbol	NADSYN1
Synonyms	NADSYN1; NAD synthetase 1; glutamine-dependent NAD(+) synthetase; NAD(+) synthase; NAD(+) synthetase; glutamine-dependent NAD synthetase;
Entrez Gene ID	55191
Protein Refseq	NP_060631
UniProt ID	Q6IA69
Chromosome Location	11q13.4
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective CD320 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cblF
Function	ATP binding; NAD+ synthase (glutamine-hydrolyzing) activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221