



Rabbit Anti-Human DARS Polyclonal Antibody (CABT-L2257)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Aspartyl tRNA Synthetase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against DARS. It has been selected for its ability to recognize DARS in immunohistochemical staining and western blotting.
Target	DARS
Immunogen	Recombinant fragment corresponding to human DARS (Gly363~Pro501)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a member of a multienzyme complex that functions in mediating the attachment of amino acids to their cognate tRNAs. The encoded protein ligates L-aspartate to tRNA(Asp). Mutations in this gene have been found in patients showing hypomyelination with brainstem and spinal cord involvement and leg spasticity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Keywords	AspRS;PIG40;Aspartate tRNA Ligase 1,Cytoplasmic;Cell proliferation-inducing gene 40 protein

GENE INFORMATION

Gene Name	DARS aspartyl-tRNA synthetase [Homo sapiens (human)]
Official Symbol	DARS
Synonyms	DARS; aspartyl-tRNA synthetase; HBSL; aspRS; aspartate--tRNA ligase, cytoplasmic; aspartate tRNA ligase 1, cytoplasmic; aspartyl-tRNA synthetase, cytoplasmic; cell proliferation-inducing gene 40 protein;
Entrez Gene ID	1615
Protein Refseq	NP_001280241
UniProt ID	P14868
Chromosome Location	2q21.3
Pathway	Alanine and aspartate metabolism; Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; Gene Expression; tRNA Aminoacylation;
Function	ATP binding; aminoacylase activity; aspartate-tRNA ligase activity; poly(A) RNA binding; protein binding;