



Mouse anti-Human DARS polyclonal antibody (DPAB-DC701)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	DARS (AAH00629, 1 a.a. ~ 501 a.a) full-length recombinant protein with GST tag. The sequence is MPSASASRKSQEKPREIMDAAEDYAKERYGISSMIQSQEKPDRLVLRVRDLTIQKADEVV WVRARVHTSRAKGGKQCFLVLRQQQFNVQALVAVGDHASKQMVKFAANINKESIVDVEGVV RKVNQKIGSCTQQDVELHVQKIYVISLAEPRLPLQLDDAVRPEAEGERATVNQDTRL DNRVIDLRTSTSQAQVRLQSGICHLFRETINKGFVEIQTPKIISAASEGGANVFTVSF KNNAYLAQSPQLYKQMCICADFEKVFSIGPVFRAEDSNTHRHLETFVGLDIEMAFNYHYH EVMEEIADTMVQIFKGLQERFQTEIQTVNKKQFPCEPFKLEPTLRLEYCEALAMLRAGV EMGDEDDLSTPNEKLLGHLVKEKYDTDFYILDKYPLAVRPFYTM
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	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; Gene Expression
Function	ATP binding; aminoacylase activity; aspartate-tRNA ligase activity; poly(A) RNA binding