

Mouse anti-Human DARS Monoclonal Antibody | anti-DARS antibody

Anti-DARS Antibody, Mouse Monoclonal

CATALOG # AAA255743	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

DARS; Monoclonal Antibody; Anti-DARS Antibody; Mouse Monoclonal; DARS Antibody; Mouse MAb; aspartyl-tRNA synthetase; Anti-aspRS Antibody; Anti-HBSL Antibody; anti-DARS antibody

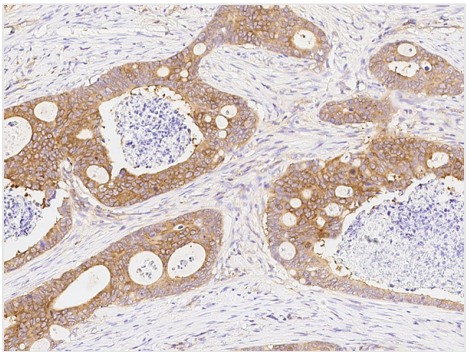
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	11
Specificity	Human DARS
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DARS antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human DARS Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human DARS (rh DARS). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human DARS in human brain with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human DARS in human colon carcinoma with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DARS antibody	Aspartate tRNA ligase 1, also known as DARS, is part of a multienzyme complex of aminoacyl-tRNA synthetases. It belongs to the class-II aminoacyl-tRNA synthetase family. DARS charges its cognate tRNA with aspartate during protein biosynthesis. DARS catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid(AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.
References	Escalante C, et al. (1993) Expression of human aspartyl-tRNA synthetase in Escherichia coli. Functional analysis of the N-terminal putative amphiphilic helix. J Biol Chem. 268(8): 6014-23.Maruyama K, et al. (1994) Oligo-capping: a simple method to replace the cap structure of eukaryotic mRNAs with oligoribonucleotides. Gene. 138(1-2):171-4.Reed VS, et al. (1995) Mechanisms of the transfer of aminoacyl-tRNA from aminoacyl-tRNA synthetase to the elongation factor 1 alpha. J Biol Chem. 269(52):32932-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	648216372
NCBI GeneID	1615
NCBI Accession #	NP_001280241.1
NCBI GenBank Nucleotide #	NM_001293312.1
UniProt Accession #	P14868; Q2TNI3; Q32Q69; Q53HV4; Q53YC5; Q68CR9; Q9BW52; A8K3J2; D3DP77
Molecular Weight	45,771 Da
NCBI Official Full Name	aspartate--tRNA ligase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	aspartyl-tRNA synthetase
NCBI Official Symbol	DARS
NCBI Official Synonym Symbols	HBSL; aspRS
NCBI Protein Information	aspartate--tRNA ligase, cytoplasmic; aspartate tRNA ligase 1, cytoplasmic; aspartyl-tRNA synthetase, cytoplasmic; cell proliferation-inducing gene 40 protein
UniProt Protein Name	Aspartate--tRNA ligase, cytoplasmic
UniProt Gene Name	DARS
UniProt Synonym Gene Names	AspRS
UniProt Entry Name	SYDC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dars-antibody-clone-11-immunohistochemistry-elisa/255743>