

Rabbit anti-Human DARS Polyclonal Antibody | anti-DARS antibody

Anti-DARS Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255744	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

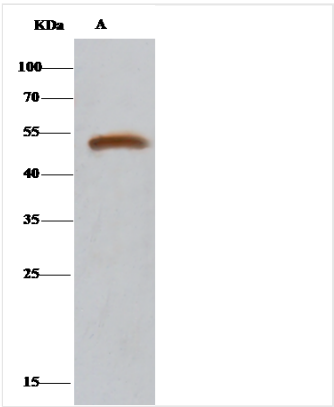
PRODUCT SYNONYMS

DARS; Polyclonal Antibody; Anti-DARS Antibody; Rabbit Polyclonal; DARS Antibody; Rabbit PAb; Antigen Affinity Purified; aspartyl-tRNA synthetase; Anti-aspRS Antibody; Anti-HBSL Antibody; anti-DARS antibody

PRODUCT SPECIFICATIONS

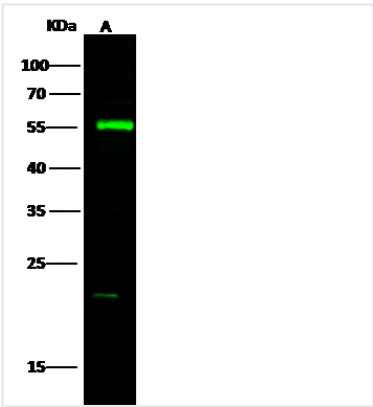
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DARS
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DARS antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human DARS protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human DARS (rh DARS). DARS specific IgG was purified by Human DARS 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



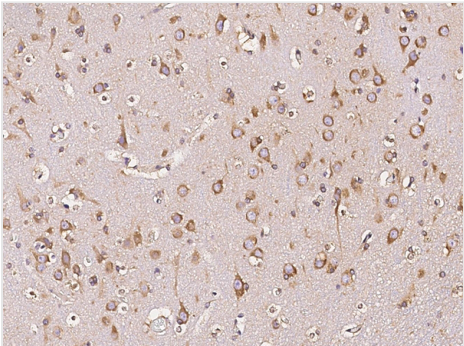
IP (Immunoprecipitation)

DARS was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate, 2 μ L anti-DARS rabbit polyclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-DARS rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 55 kDa. Observed band size: 55 kDa.



WB (Western Blot)

Anti-DARS rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 57 kDa. Observed band size: 55 kDa. (We are unsure as to the identity of these extra bands.)



IHC (Immunohistochemistry)

Immunochemical staining of human DARS in human brain with rabbit polyclonal antibody (1:10000, 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/dars-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255744>