

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

Mouse Monoclonal [clone 2F11] (IgG2a,k) to Human DARS

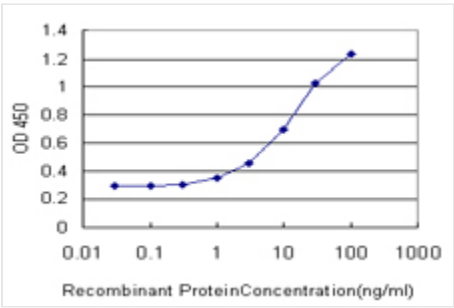
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12350	Mouse	Human	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

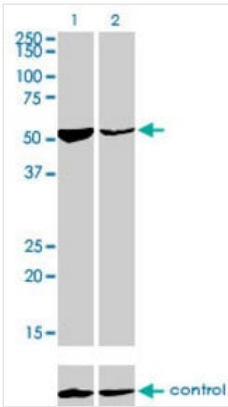
DARS; Monoclonal Antibody; Mouse Monoclonal [clone 2F11] (IgG2a; k) to Human DARS; Anti-DARS Antibody (clone 2F11) IHC-plus; Aspartyl-tRNA synthetase; AspRS; Human DARS; anti-DARS antibody

PRODUCT SPECIFICATIONS

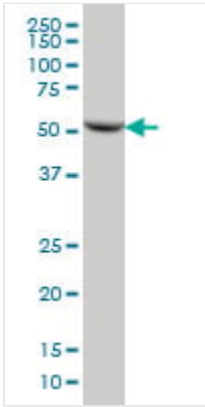
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F11
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 7.2. Sourced in Ascites.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-DARS antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Application Notes	ELISA, IHC-P (5 ug/ml), RNAi, WB Usage: Western Blot (Cell lysate) - positive control HeLa. Western Blot (Transfected lysate) - positive control transfected 293T cell line. Sandwich ELISA (Recombinant protein). RNAi Knockdown (Antibody validated).
Target Species	Human
Immunogen Description	DARS (NP_001340, 393 a.a. ~ 501 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Type	Recombinant protein
Immunogen	DARS antibody was raised against dARS (NP_001340, 393 a.a. ~ 501 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.



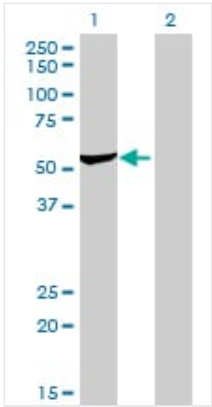
ELISA
Detection limit for recombinant GST tagged DARS is approximately 0.3 ng/ml as a capture antibody.



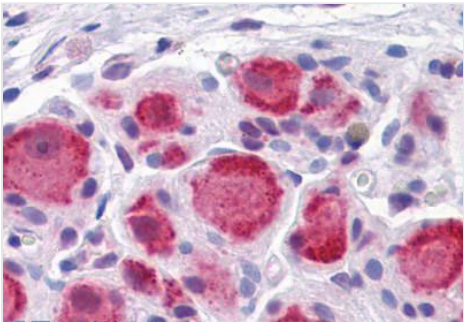
RNA interference
Western blot of DARS over-expressed 293 cell line, cotransfected with DARS Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with DARS monoclonal antibody, clone 2F11. GAPDH (36.1 kD) used as specificity and.



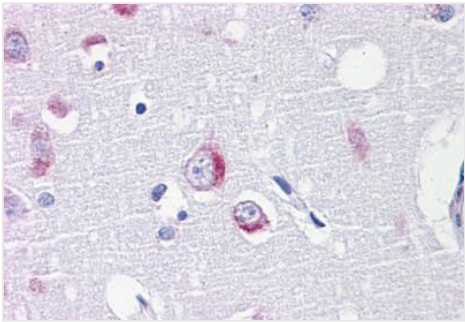
WB (Western Blot)
DARS monoclonal antibody, clone 2F11 Western blot of DARS expression in HeLa.



WB (Western Blot)
Western blot of DARS expression in transfected 293T cell line by DARS monoclonal antibody, clone 2F11.



IHC (Immunohistochemistry)
Anti-DARS antibody IHC of human ganglion cells. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-DARS antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-DARS antibody	Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45439306
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NCBI GeneID	1615
NCBI Accession #	NP_001340.2
NCBI GenBank Nucleotide #	NM_001349.3
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 1
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://www.aaabiotech.com/monoclonal/dars-antibody-clone-2f11-immunohistochemistry-western-blot-elisa/12350>