

Rabbit DARS2 Polyclonal Antibody | anti-DARS2 antibody

DARS2 Antibody

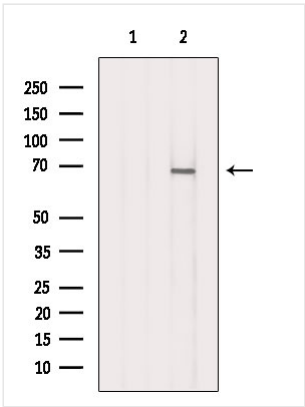
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328651	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken	Western Blot

PRODUCT SYNONYMS

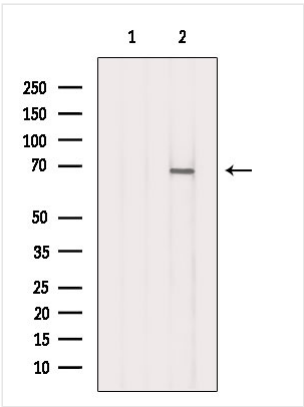
DARS2; Polyclonal Antibody; DARS2 Antibody; Aspartate tRNA ligase 2 mitochondrial; Aspartate tRNA ligase; Aspartate tRNA ligase mitochondrial; Aspartate--tRNA ligase; Aspartyl tRNA synthetase 2 (mitochondrial); Aspartyl tRNA synthetase mitochondrial; Aspartyl-tRNA synthetase; AspRS; FLJ10514; LBSL; mitochondrial; MT ASPRS; RP3 383J4.2; SYDM_HUMAN; anti-DARS2 antibody

PRODUCT SPECIFICATIONS

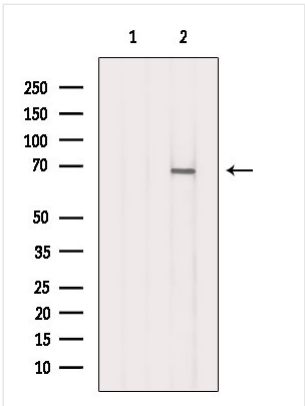
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	DARS2 Antibody detects endogenous levels of DARS2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	645
Applicable Applications for anti-DARS2 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human DARS2.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Hybridoma cells, using DARS2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from K-562 cells, using DARS2 Antibody. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)
staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-DARS2 antibody	Description: $\text{ATP} + \text{L-aspartate} + \text{tRNA(Asp)} = \text{AMP} + \text{diphosphate} + \text{L-aspartyl-tRNA(Asp)}$.
	Subunit Structure: Homodimer.
	Similarity: Belongs to the class-II aminoacyl-tRNA synthetase family. Type 1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74758347
NCBI GeneID	55157
UniProt Accession #	Q6PI48
Molecular Weight	Observed: 68 kDa Predicted: 74 kDa
NCBI Official Full Name	Aspartate--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	aspartyl-tRNA synthetase 2, mitochondrial

NCBI Official Symbol	DARS2
NCBI Official Synonym Symbols	LBSL; ASPRS; mtAsPRS; MT-ASPRS
NCBI Protein Information	aspartate--tRNA ligase, mitochondrial
UniProt Protein Name	Aspartate--tRNA ligase, mitochondrial
UniProt Gene Name	DARS2
UniProt Synonym Gene Names	AsPRS
UniProt Entry Name	SYDM_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/polyclonal/dars2-antibody-western-blot-elisa/328651>