

Datasheet for ABIN2788770

anti-HARS1/Jo-1 antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	HARS1/Jo-1 (HARS1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HARS1/Jo-1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HARS
Sequence:	FVLKTPKGTR DYSPRQMAVR EKVFDVIIRC FKRHGAEVID TPVFELKETL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against HARS. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HARS1/Jo-1 (HARS1)
Alternative Name:	HARS (HARS1 Products)

Target Details

Background:	<p>Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis.</p> <p>Alias Symbols: FLJ20491, HRS, USH3B</p> <p>Protein Interaction Partner: UBC, AARSD1, ACBD3, ELAC2, XPO5, THG1L, NSUN2, RPUSD2, SNF8, IPO7, EFTUD2, TTC1, SHMT1, PFDN1, GTF2E1, FEN1, CALU, PI4KA, G6PD, EIF2D, ANXA5, UBD, SUMO1, TNIK, STAM, EIF3I, EEF1G, RPL5, EEF1B2, TARS,</p> <p>Protein Size: 509</p>
Molecular Weight:	56 kDa
Gene ID:	3035
NCBI Accession:	NM_002109 , NP_002100
UniProt:	P12081

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 509 AA
Restrictions:	For Research Use only

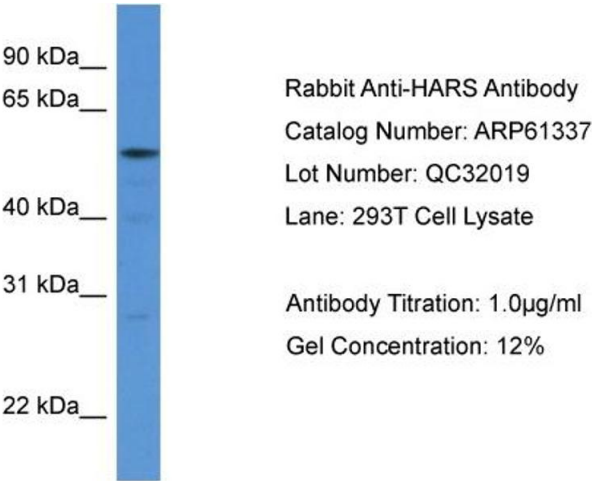
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

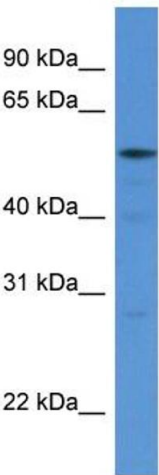
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-HARS Antibody Titration: 1.0 µg/mL

Positive Control: 293T Whole Cell

HARS is supported by BioGPS gene expression data to be expressed in HEK293T