Datasheet for ABIN391819

anti-HARS1/Jo-1 antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	HARS1/Jo-1 (HARS1)
Binding Specificity:	AA 49-78, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HARS1/Jo-1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-78 amino acids from the N-terminal region of human HARS.
Clone:	RB14816
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

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

Target Details

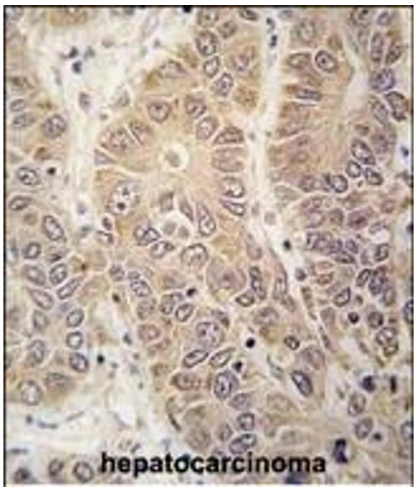
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. HARS is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. This enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The protein is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis.
Molecular Weight:	57411
Gene ID:	3035
NCBI Accession:	NP_001244969, NP_001244970, NP_001244971, NP_002100
UniProt:	P12081

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

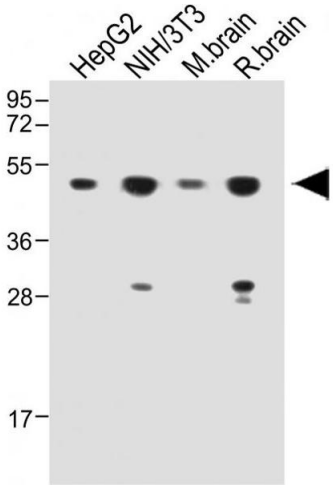
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



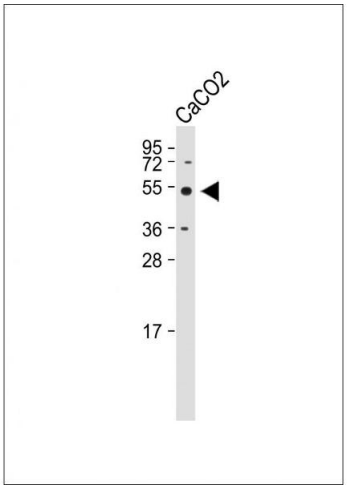
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HARS antibody (N-term) (ABIN391819 and ABIN2841666) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-HARS Antibody (N-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3:Mouse brainwhole tissue lysate Lane 4: Rat brain whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-HARS Antibody (N-term) at 1:1000 dilution + Caco2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.