

Datasheet for ABIN7155257

anti-HARS1/Jo-1 antibody (AA 1-180)



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4 Images

Overview

Quantity:	100 µL
Target:	HARS1/Jo-1 (HARS1)
Binding Specificity:	AA 1-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HARS1/Jo-1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Histidine--tRNA ligase, cytoplasmic protein (1-180AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

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

Target Details

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. Several transcript variants encoding different isoforms have been found for this gene.

Aliases: cytoplasmic antibody, EC 6.1.1.21 antibody, FLJ20491 antibody, HARS antibody, HisRS antibody, Histidine tRNA ligase, cytoplasmic antibody, histidine transase antibody, Histidine tRNA ligase antibody, Histidine--tRNA ligase antibody, Histidyl tRNA synthetase antibody, Histidyl-tRNA synthetase antibody, HRS antibody, Human histidyl tRNA synthetase homolog (H03) mRNA complete cds antibody, SYHC_HUMAN antibody, USH3B antibody

UniProt: [P12081](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

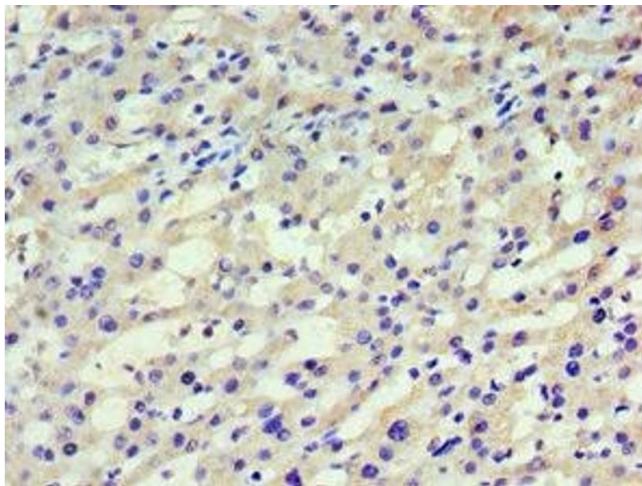
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

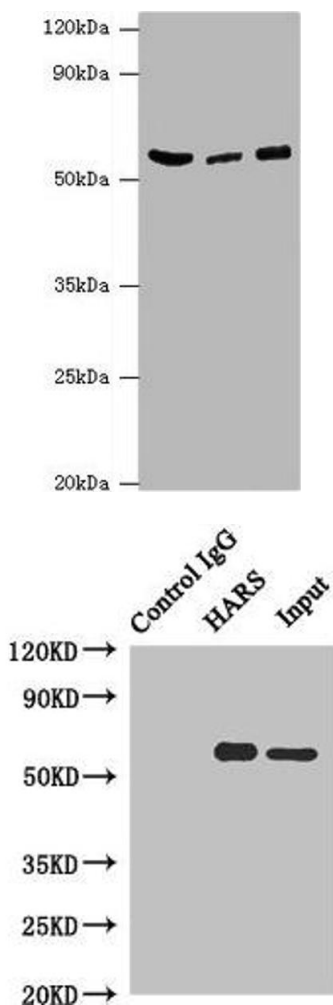
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7155257 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: HARS antibody at 6 µg/mL
Lane 1: Hela whole cell lysate Lane 2: K562 whole cell lysate
Lane 3: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 58, 53, 51, 55 kDa Observed band size: 58 kDa

Western Blotting

Image 3. Immunoprecipitating HARS in Hela whole cell lysate Lane 1: Rabbit control IgG instead of (1 µg) instead of ABIN7155257 in Hela whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000) Lane 2: ABIN7155257 (4 µg) + Hela whole cell lysate (500 µg) Lane 3: Hela whole cell lysate (20 µg)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7155257.