


Anti-HARS antibody ab137591

3 Images

Overview

Product name	Anti-HARS antibody
Description	Rabbit polyclonal to HARS
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Cow 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-286 of Human HARS (Uniprot: P12081).
Positive control	HepG2 and HCT116 whole cell lysates; Human Hepatoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137591 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. or Tris-EDTA buffer (pH8.0)

Target

Tissue specificity

Brain, heart, liver and kidney.

Involvement in disease

Defects in HARS are a cause of Usher syndrome type 3B (USH3B) [MIM:614504]. USH3B is a syndrome characterized by progressive vision and hearing loss during early childhood. Some patients have the so-called 'Charles Bonnet syndrome,' involving decreased visual acuity and vivid visual hallucinations. USH is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa with sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish Usher syndrome type 1 (USH1), Usher syndrome type 2 (USH2) and Usher syndrome type 3 (USH3). USH3 is characterized by postlingual, progressive hearing loss, variable vestibular dysfunction, and onset of retinitis pigmentosa symptoms, including nyctalopia, constriction of the visual fields, and loss of central visual acuity, usually by the second decade of life.

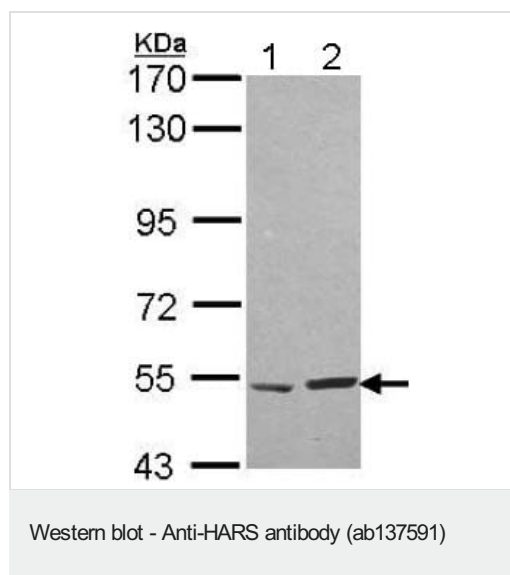
Sequence similarities

Belongs to the class-II aminoacyl-tRNA synthetase family.
Contains 1 WHEP-TRS domain.

Cellular localization

Cytoplasm.

Images



All lanes : Anti-HARS antibody (ab137591) at 1/500 dilution

Lane 1 : HepG2 whole cell lysate

Lane 2 : HCT116 whole cell lysate

Lysates/proteins at 30 µg per lane.

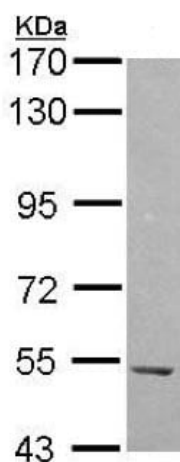
Predicted band size: 57 kDa

7.5% SDS PAGE



Immunohistochemical analysis of paraffin-embedded Human Hepatoma tissue, labelling HARS with ab137591 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HARS antibody (ab137591)



Anti-HARS antibody (ab137591) at 1/500 dilution + HCT116 whole cell lysate at 30 µg

Predicted band size: 57 kDa

7.5% SDS PAGE

Western blot - Anti-HARS antibody (ab137591)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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