

## Product datasheet

# Anti-HARS antibody [HARSA6] ab50835

[1 References](#)   [5 Images](#)

### Overview

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<b>Product name</b>	Anti-HARS antibody [HARSA6]
<b>Description</b>	Mouse monoclonal [HARSA6] to HARS
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody reacts with HARS
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC, IP, Flow Cyt, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	HARS recombinant fragment (Human), containing 50-200 AAs from near the C-terminal.
<b>Positive control</b>	F2408 whole cell lysate, HeLa cells and HeLa whole cell lysate
<b>General notes</b>	Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.05% Sodium Azide Constituents: 1% BSA, PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HARSA6
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab50835** 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
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC		1/10.
IP		1/100.
Flow Cyt		1/10. <a href="#">ab170190</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		1/100. Detects a band of approximately 50 kDa (predicted molecular weight: 46 kDa).

## 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.

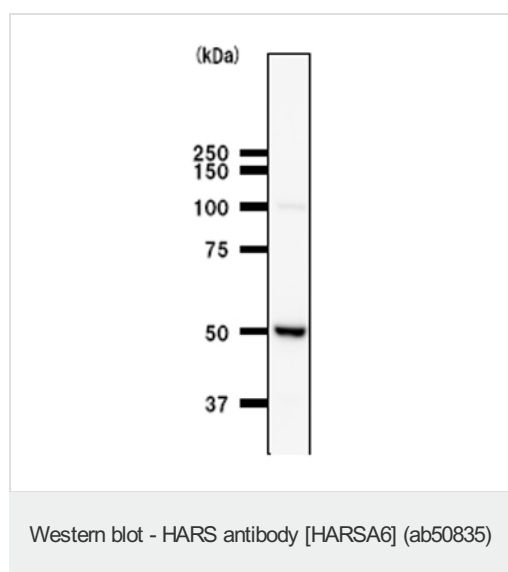
### Sequence similarities

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

### Cellular localization

Cytoplasm.

## Images



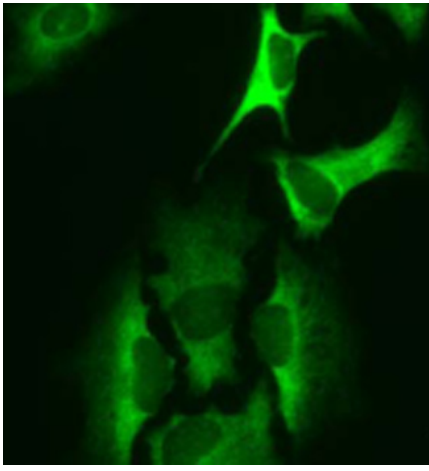
Anti-HARS antibody [HARSA6] (ab50835) at  
1/100 dilution + HeLa whole cell lysate at 25 µg

### Secondary

Mouse IgG antibody at 1/2500 dilution

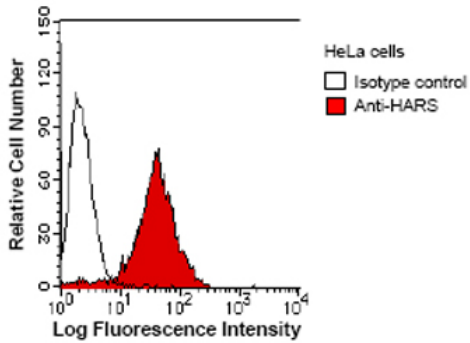
**Predicted band size:** 46 kDa

**Observed band size:** 100,50 kDa



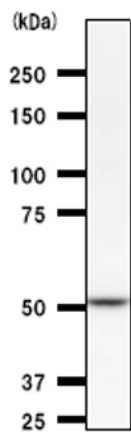
Immunocytochemistry - HARS antibody [HARSA6]  
(ab50835)

ab50835 at a 1/10 dilution staining HARS in HeLa cells, using Alexa Fluor®488 Goat Anti-mouse IgG at 1/200 dilution.



Flow Cytometry - HARS antibody [HARSA6]  
(ab50835)

ab50835 at a 1/10 dilution staining HARS using Alexa Fluor® 488 Goat Anti-mouse IgG at 1/400 dilution.



Western blot - HARS antibody [HARSA6] (ab50835)

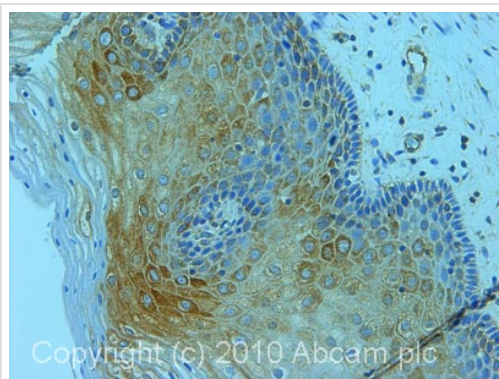
Anti-HARS antibody [HARSA6] (ab50835) at 1/100 dilution + F2408 whole cell lysate at 25 µg

**Secondary**

Mouse IgG antibody at 1/2500 dilution

**Predicted band size:** 46 kDa

**Observed band size:** 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HARS antibody [HARSA6] (ab50835)

IHC image of ab50835 staining in human cervix formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab50835, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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