

Product datasheet

Anti-HARS antibody [HARSA6] ab50835

[1 References](#) [5 Images](#)

Overview

Product name	Anti-HARS antibody [HARSA6]
Description	Mouse monoclonal [HARSA6] to HARS
Host species	Mouse
Specificity	This antibody reacts with HARS
Tested applications	Suitable for: IHC-P, ICC, IP, Flow Cyt, WB
Species reactivity	Reacts with: Human
Immunogen	HARS recombinant fragment (Human), containing 50-200 AAs from near the C-terminal.
Positive control	F2408 whole cell lysate, HeLa cells and HeLa whole cell lysate
General notes	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

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab50835** in the following tested applications.

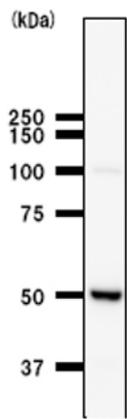
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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. ab170190 - 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

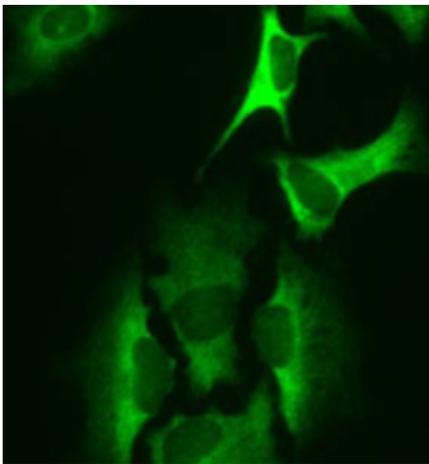
Secondary

Mouse IgG antibody at 1/2500 dilution

Predicted band size: 46 kDa

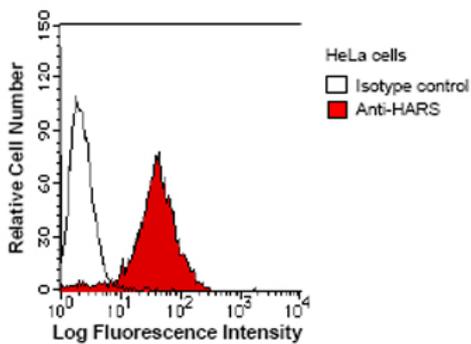
Observed band size: 100,50 kDa

Western blot - Anti-HARS antibody [HARSA6] (ab50835)



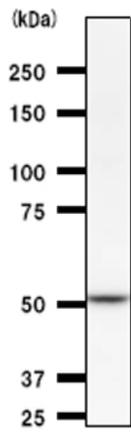
ab50835 at a 1/10 dilution staining HARS in HeLa cells, using Alexa Fluor®488 Goat Anti-mouse IgG at 1/200 dilution.

Immunocytochemistry - Anti-HARS antibody [HARSA6] (ab50835)



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

Flow Cytometry - Anti-HARS antibody [HARSA6] (ab50835)



Western blot - Anti-HARS antibody [HARSA6] (ab50835)

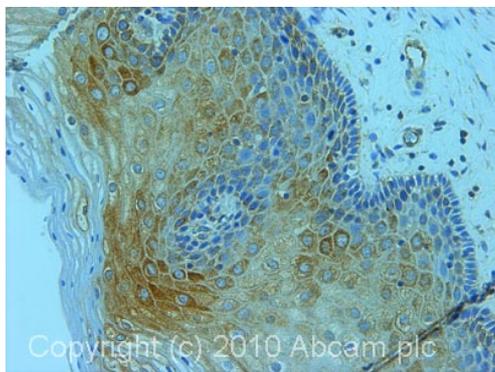
Anti-HARS antibody [HARSA6] (ab50835) at 1/100 dilution + F2408 whole cell lysate at 25 μ g

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) - Anti-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 μ g/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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors