




Product datasheet

Anti-RARS antibody ab236788

3 Images

Overview

Product name	Anti-RARS antibody
Description	Rabbit polyclonal to RARS
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Chinese hamster, Orangutan 
Immunogen	Recombinant fragment corresponding to Human RARS aa 201-500. Sequence: PNAKEMHVGHLRSTIIGESISRLFEFAGYDVLRLNHVGDW GTQFGMLIA HLQDKFPDYLTVSPPIGDLQVFYKESKKRFDTEEEFKKRA YQCVVLLQGK NPDITKAWKLICDVSQRQELNKYDALDVSLIERGESFYQDR MNDIVKEFE DRGFVQVDDGRKMFVPGCSIPLTIVKSDGGYTYDTSDLAA IKQLFEEK ADMIIYVDNGQSVHFQTIFAAAQMIGWYDPKVTRVVFHAGF GVVLGEDKK KFKTRSGETVRLMDLLGEGLKRSMDKLKEKERDKVLTAELNAAQTSVAY Database link: P54136 <div style="text-align: right;">  Run BLAST with  Run BLAST with </div>
Positive control	WB: HL-60, K562 and A549 whole cell lysates. IHC-P: Human colon cancer tissue. ICC/IF: HeLa cells.
General notes	This product was previously labelled as Arginyl tRNA synthetase

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and

species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.03% Proclin 300
Purity	Protein G purified
Purification notes	Purity >95%.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236788** 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 - 1/5000. Predicted molecular weight: 75 kDa.
IHC-P		1/20 - 1/200.
ICC/IF		1/50 - 1/200.

Target

Function	Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis. Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1.
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Sequence similarities

Belongs to the class-I aminoacyl-tRNA synthetase family.

Domain

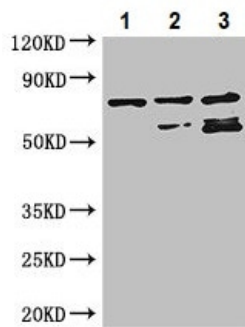
The N-terminus (AA 1-72) has two regions predicted to be alpha-helical that might be involved in the multisynthetase complex assembly.

Cellular localization

Cytoplasm.

Form

There are 2 isoforms produced by alternative initiation.

Images

Western blot - Anti-RARS antibody (ab236788)

All lanes : Anti-RARS antibody (ab236788) at 1/500 dilution

Lane 1 : HL-60 (human promyelocytic leukemia cell line) whole cell lysate

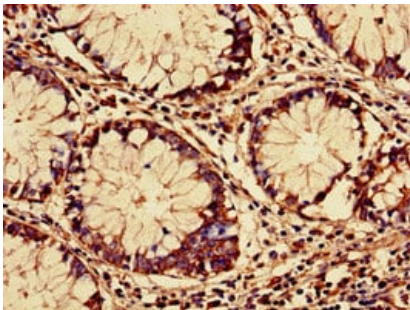
Lane 2 : K562 (human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate

Lane 3 : A549 (human lung carcinoma cell line) whole cell lysate

Secondary

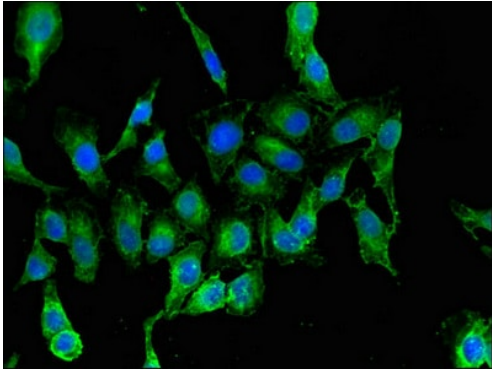
All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 75 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RARS antibody (ab236788)

Paraffin-embedded human colon cancer tissue stained for RARS using ab236788 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-RARS antibody (ab236788)

HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for RARS (green) using ab236788 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488[®] conjugated Goat Anti-Rabbit IgG (H+L).

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

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- 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

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