




Product datasheet

Anti-FARSLA antibody ab224049

3 Images

Overview

<b>Product name</b>	Anti-FARSLA antibody
<b>Description</b>	Rabbit polyclonal to FARSLA
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Orangutan 
<b>Immunogen</b>	Recombinant fragment corresponding to Human FARSLA aa 49-178. Sequence: EVIEAELRSTKHWELTAEGEEIAREGSHEARVFRSIPPEGL AQSELMRLP SGKVGFSKAMSNKWIRVDKSAADGPRVFRVVDSMEDEV QRRLQLVRGGQA EKLGEKERSELKRKLLAEVTLKTYWWSKG  Database link: <a href="#">Q9Y285</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC: Human duodenum tissue. WB: RT4, U-251 MG, NIH/3T3 and NBT-II cell lysate; human liver and tonsil tissue lysate. ICC/IF: A431 cells.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; 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.</p>

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

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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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab224049** 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		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 58 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

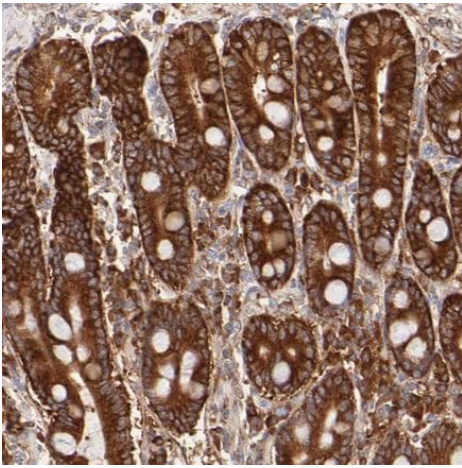
## Target

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<b>Relevance</b>	FARSLA (Phenylalanyl-tRNA synthetase alpha chain) is an aminoacyl-tRNA synthetase. These are a class of enzymes that charge tRNAs with their cognate amino acids. Cytoplasmic phenylalanine-tRNA synthetase is a heterodimer consisting of a catalytic alpha subunit, FARSLA, and a regulatory beta subunit, FARSLB. This protein has been shown to be expressed in a tumor-selective and cell cycle stage- and differentiation-dependent manner, the first member of the tRNA synthetase family shown to exhibit this type of regulated expression.
<b>Cellular localization</b>	Cytoplasmic

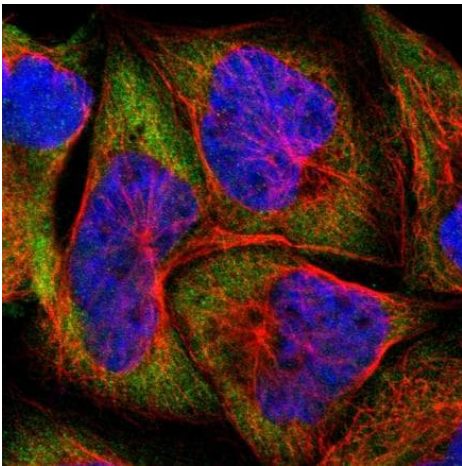
## Images

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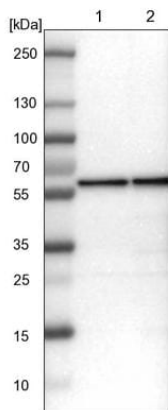
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FARSLA antibody (ab224049)

Paraffin-embedded human duodenum tissue stained for FARSLA using ab224049 at 1/1000 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-FARSLA antibody (ab224049)

PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid carcinoma cell line) cells stained for FARSLA (green) using ab224049 at 4 µg/ml in ICC/IF.



Western blot - Anti-FARSLA antibody (ab224049)

**All lanes** : Anti-FARSLA antibody (ab224049) at 1/100 dilution

**Lane 1** : NIH/3T3 (mouse embryo fibroblast cell line) cell lysate

**Lane 2** : NBT-II cell lysate

**Predicted band size:** 58 kDa

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- 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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