

## Product datasheet

# Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] ab150429

Recombinant RabMAb

★★★★★ 1 Abreviews 8 Images

### Overview

<b>Product name</b>	Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)]
<b>Description</b>	Rabbit monoclonal [EPR9926(B)] to Tyrosyl tRNA synthetase/TyrRS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB <b>Unsuitable for:</b> Flow Cyt, ICC or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human Tyrosyl tRNA synthetase/TyrRS aa 1-100. The exact sequence is proprietary.
<b>Positive control</b>	Recombinant Human Tyrosyl tRNA synthetase/TyrRS protein ( <a href="#">ab107141</a> ) can be used as a positive control in WB. HeLa, ECV-304, Jurkat and SH-SY5Y cell lysates; Human colon and kidney tissues.

### General notes

Previously labelled as Tyrosyl tRNA synthetase

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

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

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9926(B)
<b>Isotype</b>	IgG

## Applications

---

Our [Abpromise guarantee](#) covers the use of **ab150429** 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		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★	1/1000 - 1/10000. Predicted molecular weight: 59 kDa.

**Application notes** Is unsuitable for Flow Cyt, ICC or IP.

## Target

---

**Function** Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).

**Involvement in disease** Defects in YARS are the cause of Charcot-Marie-Tooth disease dominant intermediate type C (CMTDIC) [MIM:608323]. CMTDIC is a form of Charcot-Marie-Tooth disease characterized by

clinical and pathologic features intermediate between demyelinating and axonal peripheral neuropathies, and motor median nerve conduction velocities ranging from 25 to 45 m/sec.

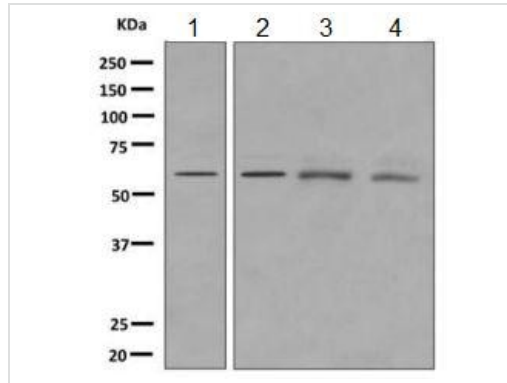
### Sequence similarities

Belongs to the class-I aminoacyl-tRNA synthetase family.  
Contains 1 tRNA-binding domain.

### Cellular localization

Cytoplasm.

## Images



Western blot - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

**All lanes** : Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429) at 1/1000 dilution

**Lane 1** : HeLa cell lysate

**Lane 2** : ECV-304 cell lysate

**Lane 3** : Jurkat cell lysate

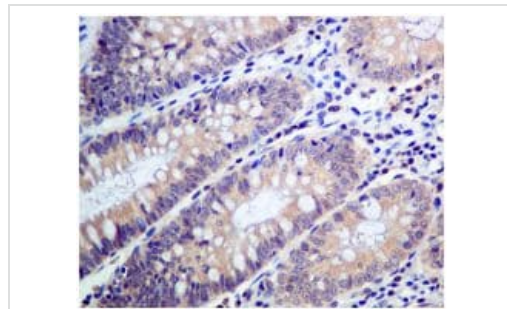
**Lane 4** : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

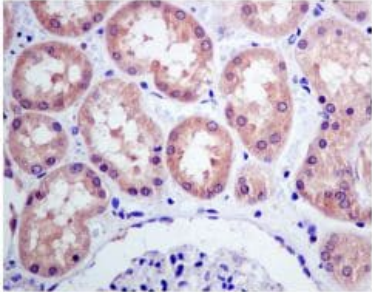
**Predicted band size:** 59 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling Tyrosyl tRNA synthetase/TyrRS with ab150429 at 1/50 dilution.

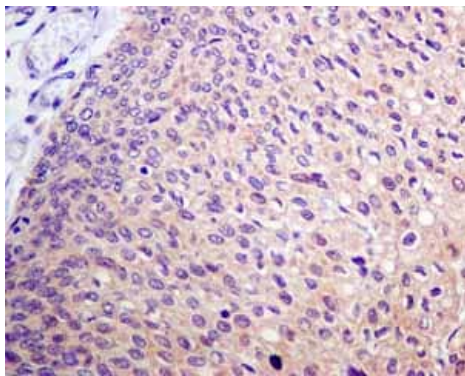
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling Tyrosyl tRNA synthetase/TyrRS with ab150429 at 1/50 dilution.

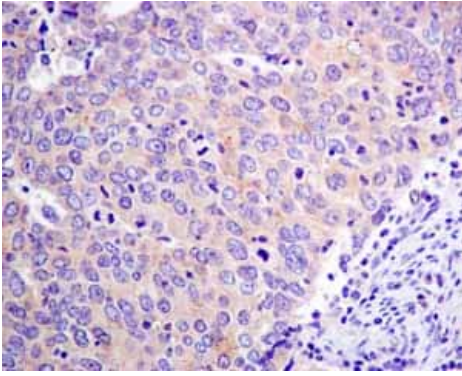
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin embedded Human Urinary bladder transitional carcinoma tissue using ab150429 showing +ve staining.

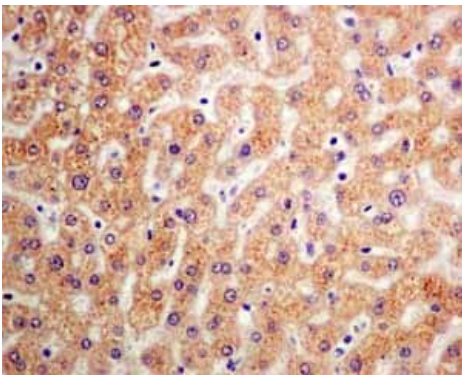
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin embedded Human Endometrial carcinoma tissue using ab150429 showing +ve staining.

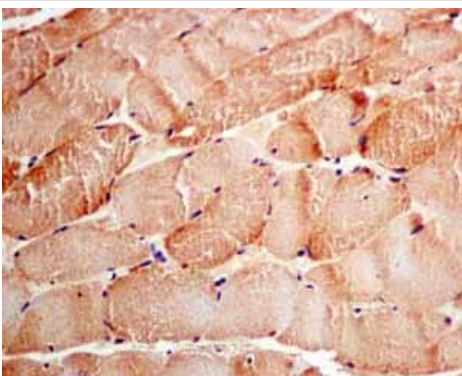
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin embedded normal Human liver tissue using ab150429 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)] (ab150429)

Immunohistochemical analysis of paraffin embedded Human Skeletal muscle tissue using ab150429 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Tyrosyl tRNA synthetase/TyrRS antibody  
[EPR9926(B)] (ab150429)

**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

---

- 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