

Product datasheet

Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927] ab154819

Recombinant RabMAb

[3 References](#) [3 Images](#)

Overview

Product name	Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927]
Description	Rabbit monoclonal [EPR9927] to Tyrosyl tRNA synthetase/TyrRS
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	corresponding to Human Tyrosyl tRNA synthetase/TyrRS (internal sequence).
Positive control	C6; PC12; Raji; HeLa and ECV 304 cell lysates; HeLa cells.
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[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] 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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR9927
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab154819** 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		1/1000 - 1/10000. Predicted molecular weight: 59 kDa.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for Flow Cyt, IHC-P 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.

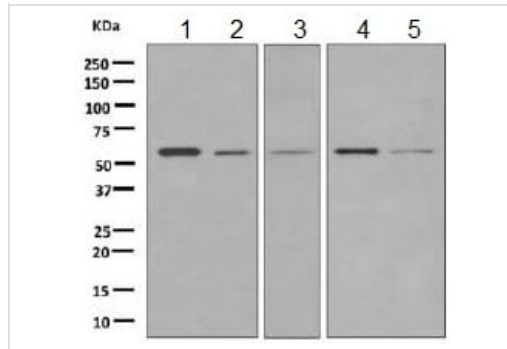
Sequence similarities Belongs to the class-I aminoacyl-tRNA synthetase family.

Contains 1 tRNA-binding domain.

Cellular localization

Cytoplasm.

Images



Western blot - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927] (ab154819)

All lanes : Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927] (ab154819) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : PC12 cell lysate

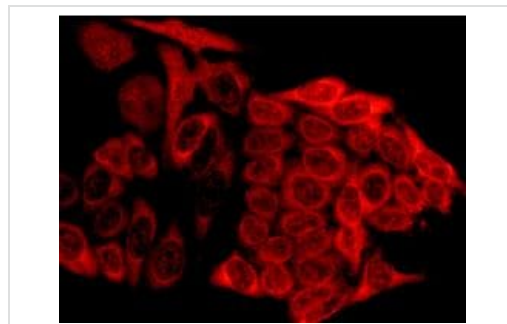
Lane 3 : Raji cell lysate

Lane 4 : HeLa cell lysate

Lane 5 : ECV-304 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 59 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927] (ab154819)

Immunofluorescence analysis of HeLa cells, labeling Tyrosyl tRNA synthetase / TyrRS using ab154819 at 1/250 dilution.

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
[EPR9927] (ab154819)

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
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- 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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