


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: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	C6; PC12; Raji; HeLa and ECV 304 cell lysates; HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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

The Abpromise guarantee 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

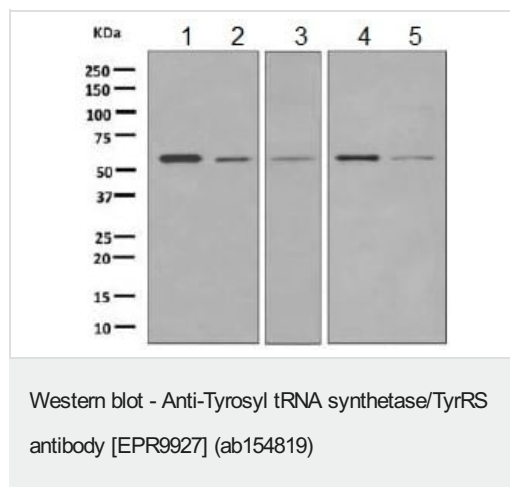
Function Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).

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

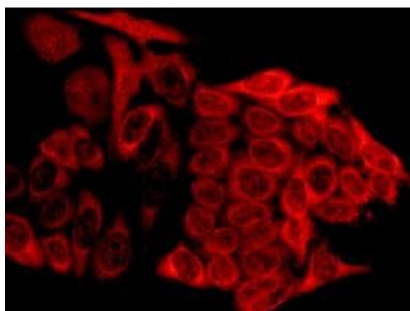


All lanes : Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9927] (ab154819) at 1/1000 dilution

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



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

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

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
- 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