


Product datasheet

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

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [8 Images](#)

Overview

Product name	Anti-Tyrosyl tRNA synthetase/TyrRS antibody [EPR9926(B)]
Description	Rabbit monoclonal [EPR9926(B)] to Tyrosyl tRNA synthetase/TyrRS
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human Tyrosyl tRNA synthetase/TyrRS aa 1-100. The exact sequence is proprietary.
Positive control	Recombinant Human Tyrosyl tRNA synthetase/TyrRS protein (ab107141) 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	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

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	Protein A purified
Clonality	Monoclonal
Clone number	EPR9926(B)
Isotype	IgG

Applications

The Abpromise guarantee 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.

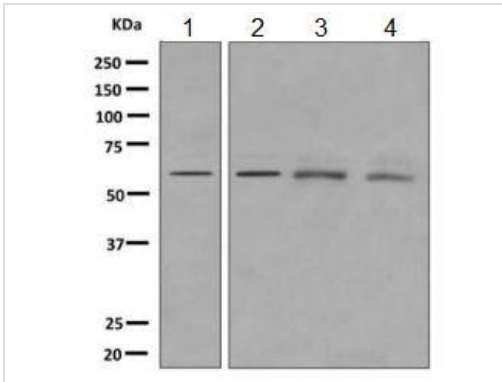
Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 59 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF 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

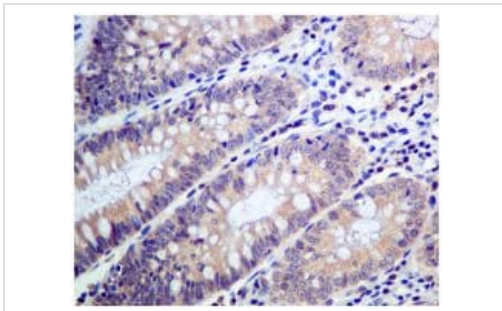
Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

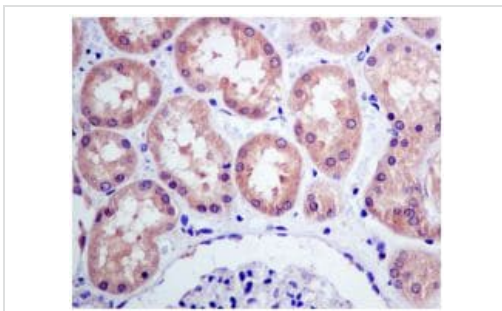
Predicted band size: 59 kDa



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.

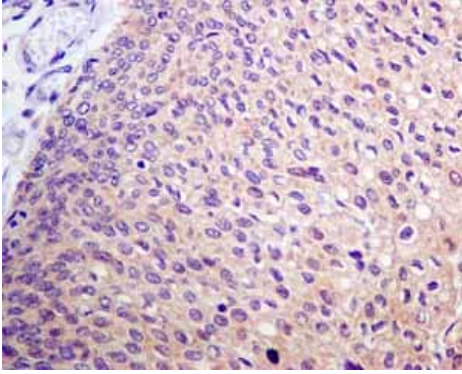
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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.

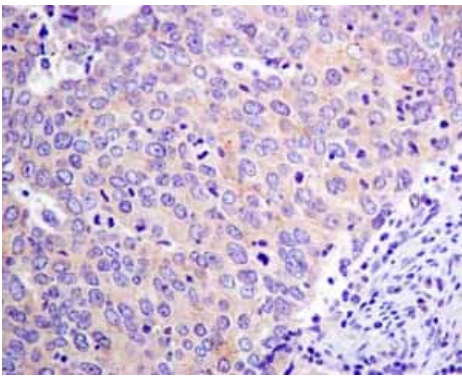
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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.

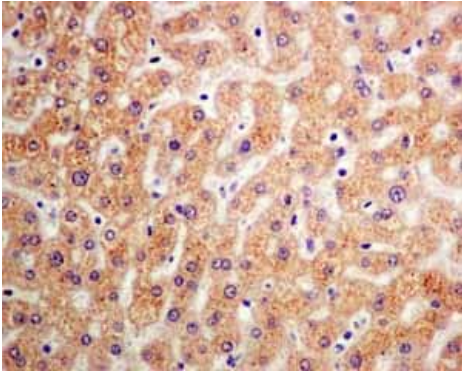
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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.

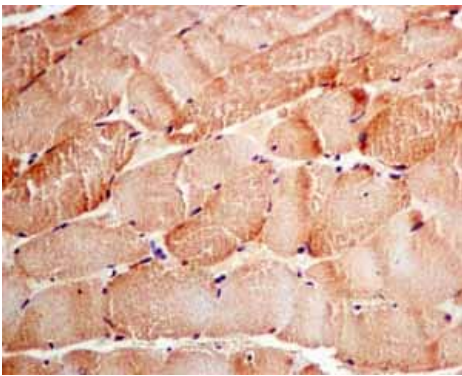
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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.

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

Why choose a recombinant antibody?

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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"

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