


Anti-Tyrosyl tRNA synthetase/TyrRS antibody ab155504

[2 Images](#)

Overview

Product name	Anti-Tyrosyl tRNA synthetase/TyrRS antibody
Description	Rabbit polyclonal to Tyrosyl tRNA synthetase/TyrRS
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human Tyrosyl tRNA synthetase/TyrRS aa 307-528.
Positive control	293T, A431, H1299, HeLaS3, MOLT4, Raji whole cell lysates; A431 cells
General notes	<p>Keep as a concentrated solution.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155504 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		1/500 - 1/3000. Predicted molecular weight: 59 kDa.
ICC/IF		1/100 - 1/1000.

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.

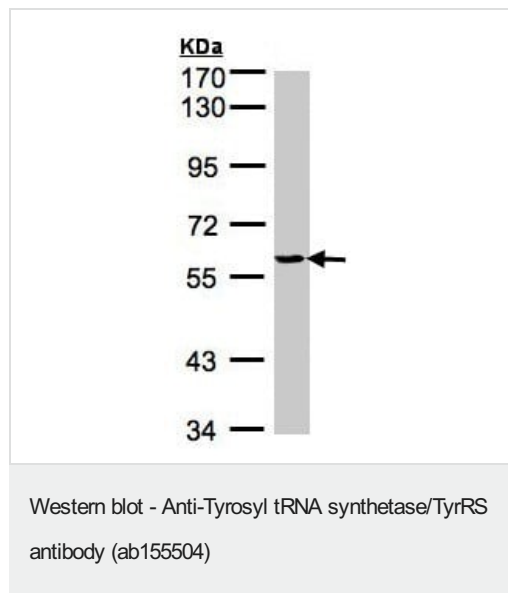
Sequence similarities

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

Cellular localization

Cytoplasm.

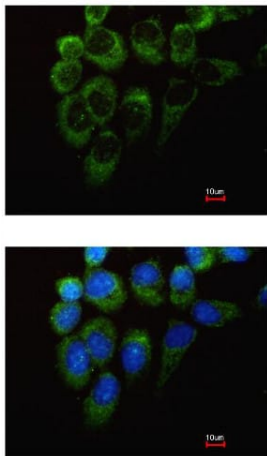
Images



Anti-Tyrosyl tRNA synthetase/TyrRS antibody (ab155504) at 1/1000 dilution + H1299 whole cell lysate at 30 µg

Predicted band size: 59 kDa

7.5% SDS PAGE



Immunofluorescent analysis of methanol-fixed A431 cells labeling Tyrosyl tRNA synthetase / TyrRS with ab155504 at 1/200 dilution. Lower panel co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-Tyrosyl tRNA synthetase/TyrRS antibody (ab155504)

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

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