

Product datasheet

Anti-Isoleucyl tRNA synthetase antibody ab264356

[2 Images](#)

Overview

Product name	Anti-Isoleucyl tRNA synthetase antibody
Description	Rabbit polyclonal to Isoleucyl tRNA synthetase
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human Isoleucyl tRNA synthetase aa 1212-1262. The exact sequence is proprietary. NP_002152.2 Database link: P41252
Positive control	IP: HEK-293T whole cell lysate. WB: HeLa, HEK-293T, Jurkat, TCMK and NIH/3T3 whole cell lysate.
General notes	<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	pH 7 to 8 Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab264356 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
IP		Use at 2-10 µg/mg of lysate.
WB		1/2000 - 1/10000. Predicted molecular weight: 145 kDa.

Target

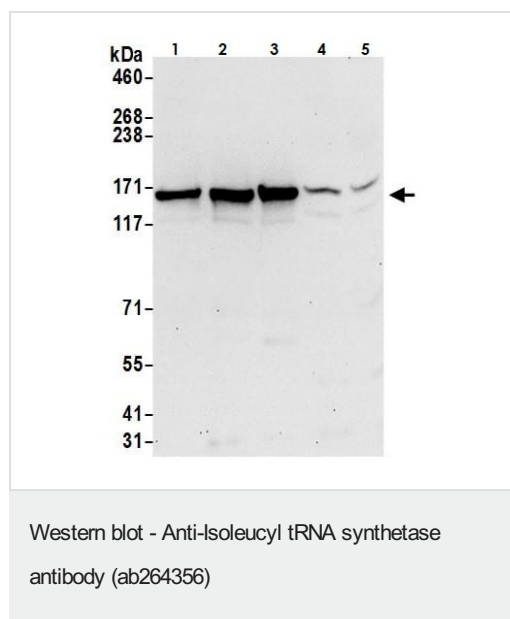
Relevance

Isoleucyl tRNA synthetase is a component of multi ARS complex and catalyzes the ligation of isoleucine with isoleucyl tRNA.

Cellular localization

Cytoplasmic

Images



All lanes : Anti-Isoleucyl tRNA synthetase antibody (ab264356) at 0.1 µg/ml

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : TCMK (Mouse kidney epithelial cell line) whole cell lysate

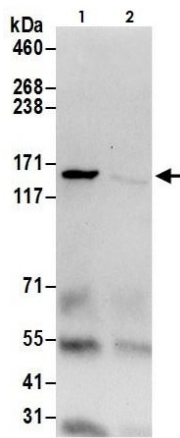
Lane 5 : NIH/3T3 (Mouse embryo fibroblast cell line) whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 145 kDa

Exposure time: 30 seconds

Cells prepared using NETN lysis buffer.



Immunoprecipitation - Anti-Isoleucyl tRNA synthetase antibody (ab264356)

Isoleucyl tRNA synthetase was immunoprecipitated from 1 mg of HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate with ab264356 at 6 µg per reaction. Western blot was performed from the immunoprecipitate using ab264356 at 1 µg/ml.

Lane 1: ab264356 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG.

Exposure time: 30 secs.

Cells prepared using NETN lysis buffer.

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

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