

Anti-TUFM antibody ab67991

[5 References](#) [1 Image](#)

Overview

Product name	Anti-TUFM antibody
Description	Mouse polyclonal to TUFM
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat
Immunogen	Recombinant full length protein within Human TUFM aa 1-500. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
Positive control	Brain tissue 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab67991 in the following tested applications.

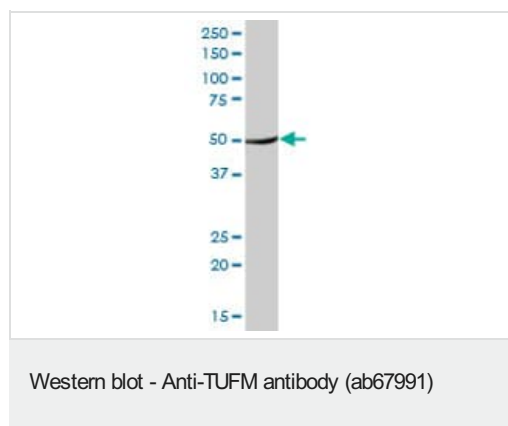
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).

Target

Function	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
Involvement in disease	Combined oxidative phosphorylation deficiency 4 (COXPD4) [MIM:610678]: A mitochondrial disease resulting in neonatal lactic acidosis, rapidly progressive encephalopathy, severely decreased mitochondrial protein synthesis, and combined deficiency of mtDNA-related mitochondrial respiratory chain complexes. Note=The disease is caused by mutations affecting the gene represented in this entry.
Sequence similarities	Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.
Cellular localization	Mitochondrion.

Images



Anti-TUFM antibody (ab67991) at 1/500 dilution + rat brain tissue lysate at 25 µg

Secondary

Goat anti-mouse IgG (H&L)-HRP conjugated at 1/2500 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

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

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