

## Product datasheet

# Anti-MTFMT antibody ab70100

1 Image

### Overview

<b>Product name</b>	Anti-MTFMT antibody
<b>Description</b>	Mouse polyclonal to MTFMT
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	MTFMT (NP_640335.1, 1 a.a. ~ 304 a.a) full-length human protein.
<b>Positive control</b>	MTFMT transfected 293T lysate.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab70100** in the following tested applications.

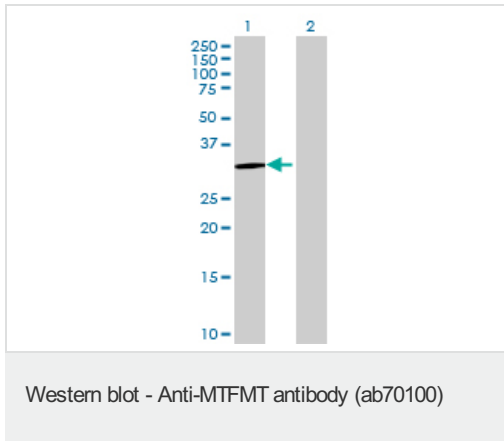
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 44 kDa).

### Target

<b>Function</b>	Formylates methionyl-tRNA in mitochondria. A single tRNA(Met) gene gives rise to both an initiator and an elongator species via an unknown mechanism.
<b>Sequence similarities</b>	Belongs to the fmt family.
<b>Domain</b>	Composed of an N- and a C-terminal domain. The N-terminal domain carries the tetrahydrofolate (THF)-binding site and the C-terminal domain is presumably involved in positioning the Met-tRNA substrate for the formylation reaction.
<b>Cellular localization</b>	Mitochondrion.

## Images



**All lanes :** Anti-MTFMT antibody (ab70100)  
at 1/500 dilution

**Lane 1 :** MTFMT transfected 293T lysate

**Lane 2 :** Non-transfected 293T lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** MTFMT transfected lysate at  
1/2500 dilution

**Predicted band size:** 44 kDa

**Observed band size:** 34 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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