

**Anti-TFAM (Transcription Factor A, mitochondrial) Antibody**  
Our Anti-TFAM (Transcription Factor A, mitochondrial) primary antibody from PhosphoSolutions is rabbit  
Catalog # AN1578

## Specification

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### Anti-TFAM (Transcription Factor A, mitochondrial) Antibody - Product Information

Primary Accession	<a href="#">P40630</a>
Reactivity	<b>Bovine</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>27988</b>

### Anti-TFAM (Transcription Factor A, mitochondrial) Antibody - Additional Information

Gene ID **21780**

#### Other Names

Transcription factor 6-like 1 antibody, Mitochondrial transcription factor 1 antibody, mitochondrial transcription factor A antibody, MtTF1 antibody, mtTFA antibody, TCF 6 antibody, TCF-6 antibody, TCF6 antibody, TCF6L1 antibody, TCF6L2 antibody, TCF6L3 antibody, TFAM antibody, TFAM\_HUMAN antibody, Transcription factor 6 antibody, Transcription factor 6 like 2 (mitochondrial transcription factor) antibody, Transcription factor 6 like 2 antibody, Transcription factor 6-like 2 antibody, transcription factor 6-like 3 antibody, Transcription factor A mitochondrial antibody, Transcription factor A mitochondrial antibody, Transcription factor A mitochondrial precursor antibody

#### Target/Specificity

Mitochondrial Transcription Factor A (TFAM) is a key activator of mitochondrial (mt) DNA transcription as well as a participant in mitochondrial genome replication. mtDNA is highly susceptible to oxidative stress leading to mitochondrial dysfunction. Overexpression of TFAM has been implicated in the amelioration of age dependent impairment of brain functions through the prevention of oxidative stress and mitochondrial dysfunction in microglia (Hayashi et al., 2008). More recently, TFAM overexpression has been shown to potentially reduce oxidative stress in motor neurons and delay onset of amyotrophic lateral sclerosis (ALS) in ALS model mice (Morimoto et al., 2012).

#### Format

Neat Serum

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Anti-TFAM (Transcription Factor A, mitochondrial) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Shipping

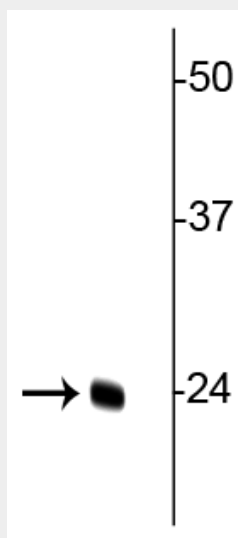
Blue Ice

## Anti-TFAM (Transcription Factor A, mitochondrial) Antibody - Protocols

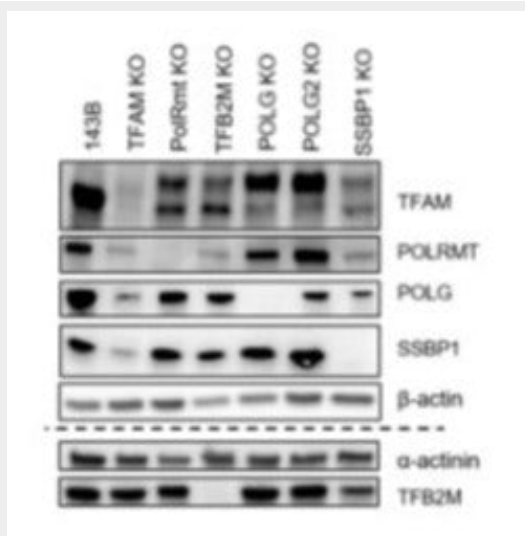
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-TFAM (Transcription Factor A, mitochondrial) Antibody - Images



Western blot of rat kidney lysate showing specific immunolabeling of the ~24 kDa TFAM protein.



Western blot of 143B cells showing specific immunolabeling human TFAM (top row). Knockout validation is demonstrated in lane 2 where cells transfected with altered TFAM via GeneSwap show no immunolabeling. Image from publication CC-BY-4.0. PMID: 35883613

**Anti-TFAM (Transcription Factor A, mitochondrial) Antibody - Background**

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