

## TFAM Polyclonal Antibody

**CATALOG #:** 3885-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide corresponding to residues surrounding amino acid 225 of rat TFAM (Internal ID# BV-A45)

**SPECIES REACTIVITY:** Rat

**FORMULATION:**

100 µg (0.5mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**STORAGE CONDITIONS:**

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

**BACKGROUND:**

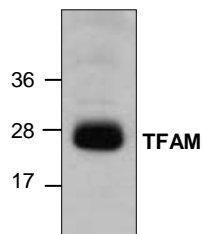
Transcription factor A mitochondria (TFAM) is an important activator of mitochondrial DNA transcription and replication. Studies in mice have shown that TFAM is required to regulate the mitochondrial genome copy number and is important for embryonic development. TFAM has been associated with mitochondrial disorder which includes ocular myopathy and muscular wasting in humans. Kearns-Sayre syndrome was shown in mouse model when expression of the gene was eliminated by targeted disruption in heart and muscle cells.

**SPECIFICITY:**

The antibody recognizes 27 kDa band from rat kidney tissue lysate. Reactivity to other species has not been tested.

**APPLICATION:**

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (3885BP-50) is available separately.



**Cat. #: 3885-100**  
Western blot analysis of TFAM in rat kidney tissue lysate.

**RELATED PRODUCTS:**

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- PLTP Activity Assay & Drug Discovery Kits
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- siRNA Vectors
- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

**FOR RESEARCH USE ONLY! Not to be used on humans.**