

Datasheet for ABIN5532241  
**anti-TFAM antibody (C-Term)**



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3 Images

## Overview

|                      |                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 400 µL                                                                                                                             |
| Target:              | TFAM                                                                                                                               |
| Binding Specificity: | AA 216-246, C-Term                                                                                                                 |
| Reactivity:          | Human                                                                                                                              |
| Host:                | Rabbit                                                                                                                             |
| Clonality:           | Polyclonal                                                                                                                         |
| Conjugate:           | This TFAM antibody is un-conjugated                                                                                                |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

## Product Details

|               |                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This TFAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-246 amino acids from the C-terminal region of human TFAM. |
| Isotype:      | Ig Fraction                                                                                                                                                          |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                     |

## Target Details

|                   |                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TFAM                                                                                                                                                                                             |
| Alternative Name: | TFAM ( <a href="#">TFAM Products</a> )                                                                                                                                                           |
| Background:       | This gene encodes a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. Studies in mice have |

## Target Details

demonstrated that this gene product is required to regulate the mitochondrial genome copy number and is essential for embryonic development. A mouse model for Kearns-Sayre syndrome was produced when expression of this gene was eliminated by targeted disruption in heart and muscle cells.

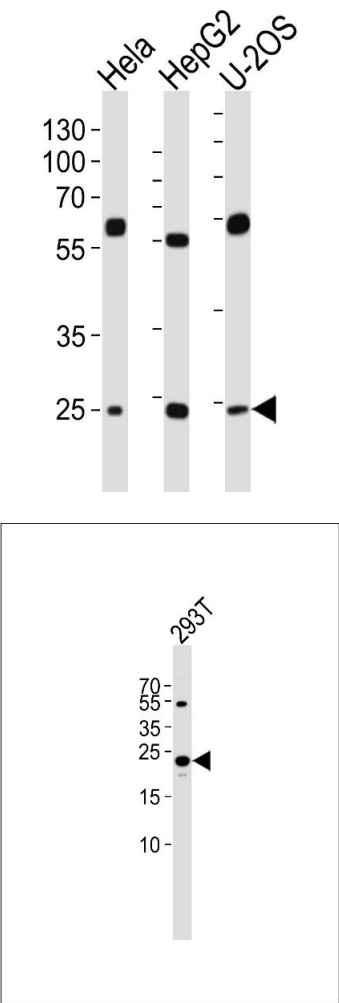
|                   |                                   |
|-------------------|-----------------------------------|
| Molecular Weight: | 29 kDa                            |
| Gene ID:          | 7019                              |
| UniProt:          | <a href="#">Q00059</a>            |
| Pathways:         | <a href="#">Chromatin Binding</a> |

## Application Details

|                    |                                          |
|--------------------|------------------------------------------|
| Application Notes: | For WB starting dilution is: 1:1000      |
|                    | For IHC-P starting dilution is: 1:50~100 |
|                    | For FACS starting dilution is: 1:10~50   |
|                    | For IF starting dilution is: 1:10~50     |
| Restrictions:      | For Research Use only                    |

## Handling

|                    |                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                 |
| Concentration:     | 0.5 mg/mL                                                                                                                                                                                                              |
| Buffer:            | Supplied in PBS with 0.09 % (W/V) sodium azide.                                                                                                                                                                        |
| Preservative:      | Sodium azide                                                                                                                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                 |
| Storage:           | 4 °C,-20 °C                                                                                                                                                                                                            |
| Storage Comment:   | Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

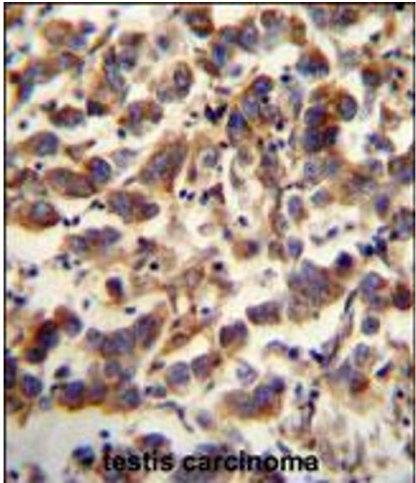


**Western Blotting**

**Image 1.** Western blot analysis of lysates from HeLa, HepG2, U-2OS cell line (from left to right), using TFAM Antibody at 1:1000 at each lane.

**Western Blotting**

**Image 2.** Western blot analysis of lysate from 293T cell line, using TFAM Antibody at 1:1000.



**Immunohistochemistry**

**Image 3.** TFAM antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.