**ABclonal** Technology®

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# TFAM Rabbit mAb

**Catalog No.: A3173**   Recombinant   14 Publications

## Basic Information

**Observed MW**
24kDa

**Calculated MW**
29kDa

**Category**
Primary antibody

**Applications**
WB,IHC-P,IF/ICC,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

**CloneNo number**
ARC51776

## Background

This gene encodes a key mitochondrial transcription factor containing two high mobility group motifs. The encoded protein also functions in mitochondrial DNA replication and repair. Sequence polymorphisms in this gene are associated with Alzheimer's and Parkinson's diseases. There are pseudogenes for this gene on chromosomes 6, 7, and 11. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:4000 - 1:16000 |
| **IHC-P** | 1:2000 - 1:8000 |
| **IF/ICC** | 1:200 - 1:800 |
| **ELISA** | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
7019

**Swiss Prot**
Q00059

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
TCF6; MTTF1; MTTFA; TCF6L1; TCF6L2; TCF6L3; MTDPS15; TFAM

## Contact

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## Product Information

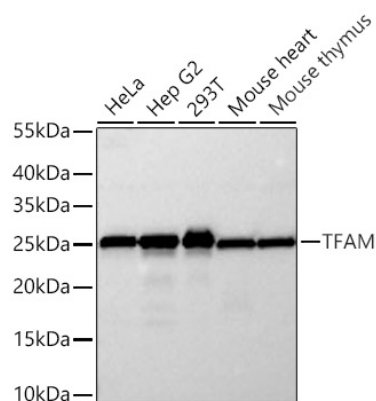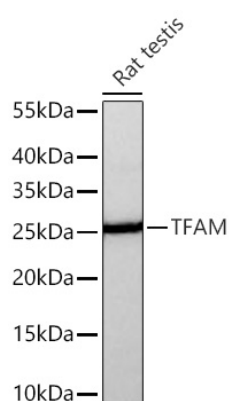| **Source** | **Isotype** | **Purification** |
|---|---|---|
| Rabbit | IgG | Affinity purification |

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
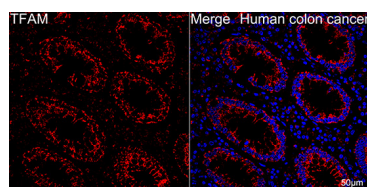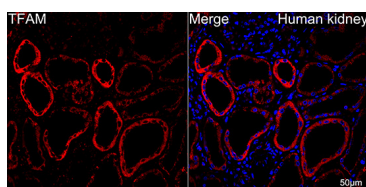Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Western blot analysis of various lysates using TFAM Rabbit mAb (A3173) at 1:4000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
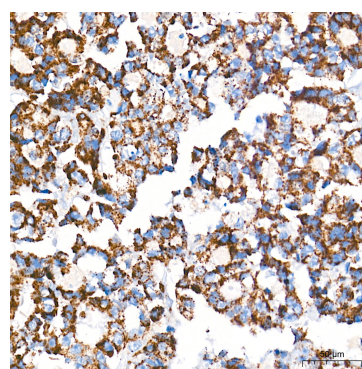Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Western blot analysis of lysates from Rat testis using TFAM Rabbit mAb (A3173) at 1:4000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.







Confocal imaging of paraffin-embedded Human colon cancer tissue using TFAM Rabbit mAb (A3173, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.
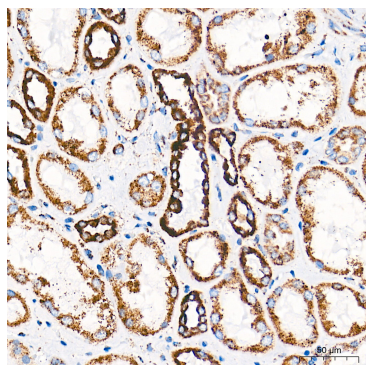
Confocal imaging of paraffin-embedded Human kidney tissue using TFAM Rabbit mAb (A3173, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.
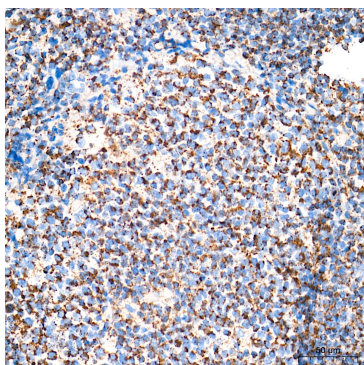
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using TFAM Rabbit mAb (A3173) at a dilution of 1:5500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using TFAM Rabbit mAb (A3173) at a dilution of 1:5500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using TFAM Rabbit mAb (A3173) at a dilution of 1:5500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.