

A3173

Leader in Biomolecular Solutions for Life Science



## TFAM Rabbit mAb

Catalog No.: A3173

Recombinant

14 Publications

### Basic Information

#### Observed MW

24kDa

#### Calculated MW

29kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB,IHC-P,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC51776

### 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.

### Contact



[www.abclonal.com](http://www.abclonal.com)

### 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.

### 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; MTDP515; TFAM

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

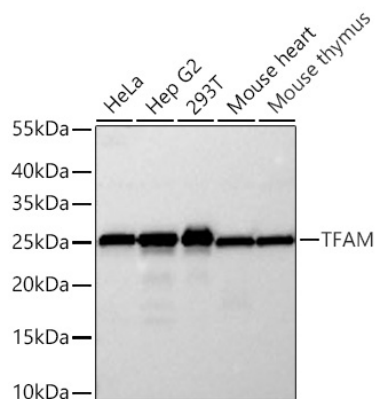
Affinity purification

#### Storage

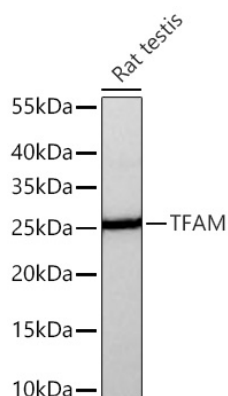
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

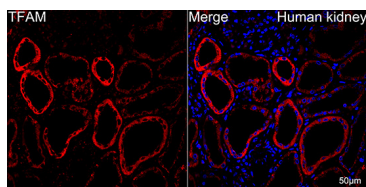
## Validation Data



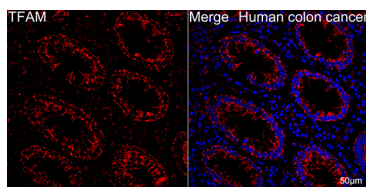
Western blot analysis of various lysates using TFAM Rabbit mAb (A3173) at 1:4000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: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



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.