Leader in Biomolecular Solutions for Life Science



# **TFAM Rabbit pAb**

Catalog No.: A13552 18 Publications

# **Basic Information**

Observed MW 25kDa

Calculated MW 29kDa

**Category** Primary antibody

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

Cross-Reactivity Human, Mouse, Rat

# 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	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ChIP	5μg antibody for 10μg-15μg of Chromatin

# Immunogen Information

Gene	ID
7019	

Swiss Prot Q00059

### Immunogen

A synthetic peptide corresponding to a sequence within a mino acids 100-200 of human TFAM (NP\_003192.1).

Synonyms

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

## Contact

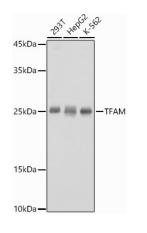
# 400-999-6126 <u>cn.market@abclonal.com.cn</u> <u>www.abclonal.com.cn</u>

# **Product Information**

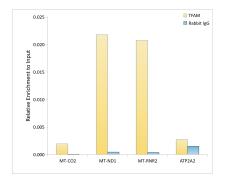
**Source** Rabbit **Isotype** IgG Purification Affinity purification

### Storage

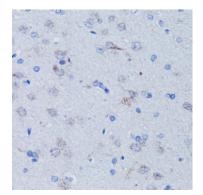
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.



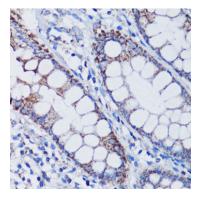
Western blot analysis of various lysates using TFAM Rabbit pAb (A13552) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



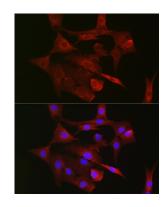
Chromatin immunoprecipitation analysis of extracts of K-562 cells, using TFAM antibody (A13552) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



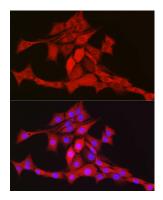
Immunohistochemistry analysis of paraffinembedded rat brain using TFAM Rabbit pAb (A13552) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffinembedded human colon using TFAM Rabbit pAb (A13552) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using TFAM Rabbit pAb (A13552) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using TFAM Rabbit pAb (A13552) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.