TFAM Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_003192.1

Catalog No. A303-226A GenelD 7019

Lot No. A303-226A-1

APPLICATIONS WB, IP, IHC
SPECIES REACTIVITY Human

CONCENTRATION 1000 µg/ml

STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt

100 ul

PHYSICAL STATE Liquid

BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION PROCEDURES

AMOUNT

Antibody was affinity purified using an epitope specific to TFAM immobilized on solid support.

The epitope recognized by A303-226A maps to a region between residue 196 and 246 of human Transcription Factor A, Mitochondrial using the numbering given in entry NP_003192.1 (GenelD

7019).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4

equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000 Immunoprecipitation 2 - 10 µg/mg lysate

Immunohistochemistry 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is

recommended for FFPE tissue sections.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

IHC HUMAN CONTROLS Breast Carcinoma, Ovarian Carcinoma, Stomach Adenocarcinoma

ADDITIONAL INFO https://www.bethyl.com/product/A303-226A

Use the link above to view SDS, a current list of citations, and other product specific information.

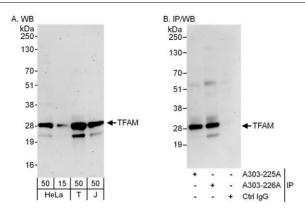
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

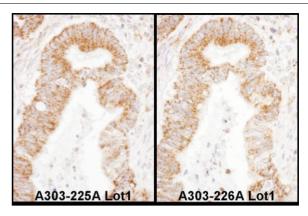
Date: June 21, 2019



TFAM Antibody A303-226A



Detection of human TFAM by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 μ g) and Jurkat (J; 50 μ g) cells. Antibodies: Affinity purified rabbit anti–TFAM antibody A303–226A used for WB at 0.1 μ g/ml (A) and 1 μ g/ml (B) and used for IP at 6 μ g/mg lysate. TFAM was also immunoprecipitated by rabbit anti–TFAM antibody A303–225A, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



Detection of human TFAM by immunohistochemistry. Samples: FFPE serial sections of human stomach carcinoma. Antibody: Affinity purified rabbit anti- TFAM (Cat. No. A303-226A Lot1 right panel and Cat. No. A303-225A Lot1 left panel) used at a dilution of 1:1,000 (1µg/ml). Detection: DAB