

For Research Use Only

# TFAM Monoclonal antibody, PBS Only

Catalog Number: 68557-5-PBS

Featured Product



## Basic Information

### Catalog Number:

68557-5-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG18253

### GenBank Accession Number:

BC126366

### GeneID (NCBI):

7019

### UNIPROT ID:

Q00059

### Full Name:

transcription factor A, mitochondrial

### Calculated MW:

246 aa, 29 kDa

### Observed MW:

25 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1C8H3

## Applications

### Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

### Species Specificity:

human

## Background Information

TFAM, also named as TCF6L2, MtTF1, TCF6, TCF6L1, TCF6L3, and mtTFA, is a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. It is involved in mitochondrial transcription regulation. TFAM is required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. It activates transcription by binding immediately upstream of transcriptional start sites. TFAM is able to unwind and bend DNA.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

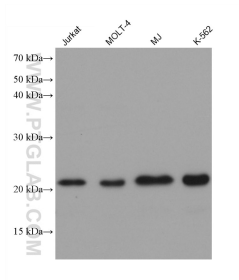
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

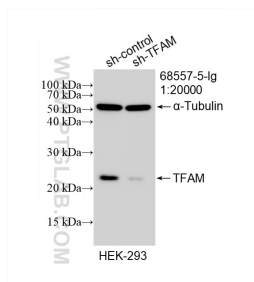
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

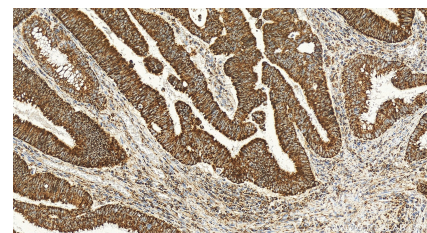
## Selected Validation Data



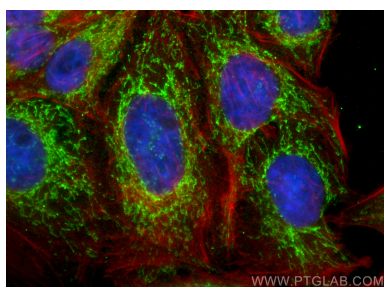
Various lysates were subjected to SDS PAGE followed by western blot with 68557-5-Ig (TFAM antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.



WB result of TFAM antibody (68557-5-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TFAM transfected HEK-293 cells. This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68557-5-Ig (TFAM antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TFAM antibody (68557-5-Ig, Clone: 1C8H3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 68557-5-PBS in a different storage buffer formulation.