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**Product Name: mtTFA Rabbit Polyclonal Antibody****Catalog #: APRab14222**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse,Bovine
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	22kDa

**Antigen Information**

<b>Gene Name</b>	TFAM
<b>Alternative Names</b>	TFAM; TCF6; TCF6L2; Transcription factor A; mitochondrial; mtTFA; Mitochondrial transcription factor 1; MtTF1; Transcription factor 6; TCF-6; Transcription factor 6-like 2
<b>Gene ID</b>	7019.0
<b>SwissProt ID</b>	Q00059
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TFAM. AA range:131-180

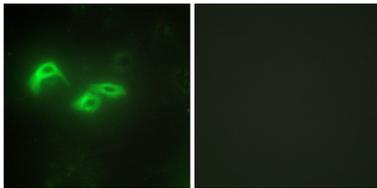
**Background**

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. [provided by RefSeq, Aug 2012],function:Involved in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Activates transcription by binding immediately upstream of transcriptional start sites. Is able to unwind and bend DNA.,similarity:Contains 2 HMG box DNA-binding domains.,subunit:Interacts with TFB1M and TFB2M.,

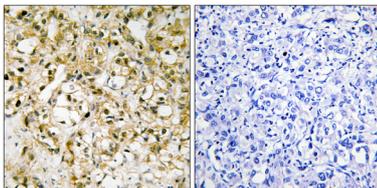
## Research Area

Stem cell pathway; Protein\_Acetylation

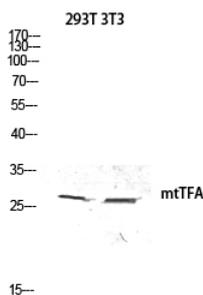
## Image Data



Immunofluorescence analysis of HepG2 cells, using TFAM Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using TFAM Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of 293T 3T3 lysis using mtTFA antibody. Antibody was diluted at 1:500