



# mtTFA Monoclonal Antibody

<b>Catalog No</b>	BYmab-01883
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;;Bovine
<b>Applications</b>	WB
<b>Gene Name</b>	TFAM
<b>Protein Name</b>	Transcription factor A mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TFAM. AA range:131-180
<b>Specificity</b>	mtTFA Monoclonal Antibody detects endogenous levels of mtTFA protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</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>Observed Band</b>	22kd
<b>Cell Pathway</b>	Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .
<b>Tissue Specificity</b>	Lymphocyte,Pooled,Uterus,
<b>Function</b>	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.,
<b>Background</b>	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

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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],

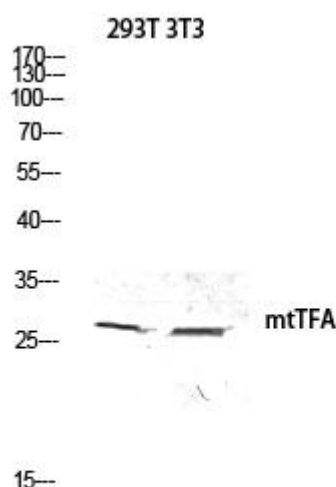
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using mtTFA Monoclonal Antibody