

# Immunotag™ TFAM Antibody

Antibody Specification	
Catalog No.	ITA4119
Product Description	Immunotag™ TFAM Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TFAM
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC,IF/ICC,ELISA
Recommended Dilution	IHC: 1:50~1:200 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	TFAM Antibody detects endogenous levels of total TFAM
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TFAM
Accession No.	Q00059
Alternate Names	anscription factor 6-like 1; Mitochondrial transcription factor 1; mitochondrial transcription factor A; MtTF1; mtTFA; TCF 6; TCF-6; TCF6; TCF6L1; TCF6L2; TCF6L3; TFAM; TFAM_HUMAN; Transcription factor 6; Transcription factor 6 like 2 (mitochondrial transcription factor); Transcription factor 6 like 2; Transcription factor 6-like 2; transcription factor 6-like 3; Transcription factor A, mitochondrial; Transcription factor A, mitochondrial; Transcription factor A, mitochondrial precursor;

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Description	Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation (PubMed:29445193). Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Promotes transcription initiation from the HSP1 and the light strand promoter by binding immediately upstream of transcriptional start sites. Is able to unwind DNA. Bends the mitochondrial light strand promoter DNA into a U-turn shape via its HMG boxes. Required for maintenance of normal levels of mitochondrial DNA. May play a role in organizing and compacting mitochondrial DNA.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	0 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.