



Anti-TFAM (internal region) polyclonal antibody (DPABH-13192)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation. 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 and bend DNA. Required for maintenance of normal levels of mitochondrial DNA. May play a role in organizing and compacting mitochondrial DNA. target DNA. Interacts with TFB1M and TFB2M.
Specificity	Detects endogenous levels of total mtTFA.
Immunogen	Synthetic peptide against an internal sequence of Human mtTFA conjugated to KLH.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF
Format	Liquid
Size	50 µg
Buffer	pH: 7.40; Constituents: 49% PBS, 0.88% Sodium chloride, 50% Glycerol Note: PBS without Mg ²⁺ and Ca ²⁺
Preservative	0.02% Sodium Azide

Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
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GENE INFORMATION

Gene Name	TFAM transcription factor A, mitochondrial [Homo sapiens]
Official Symbol	TFAM
Synonyms	TFAM; transcription factor A, mitochondrial; TCF6; MTTF1; MTTFA; TCF6L1; TCF6L2; TCF6L3; transcription factor 6; transcription factor 6-like 1; transcription factor 6-like 3; mitochondrial transcription factor 1; mitochondrial transcription factor A; transcription factor 6-like 2 (mitochondrial transcription factor);
Entrez Gene ID	7019
Protein Refseq	NP_001257711.1
UniProt ID	Q00059
Pathway	Energy Metabolism; Huntingtons disease; Mitochondrial Gene Expression; Mitochondrial transcription initiation
Function	DNA binding, bending; chromatin binding; heat shock protein binding; mitochondrial light strand promoter sense binding
