

Datasheet for ABIN1387734
anti-TFAM antibody (AA 155-246)



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3 Publications

Overview

Quantity:	100 µL
Target:	TFAM
Binding Specificity:	AA 155-246
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFAM antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MtTF1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Rabbit,Goat
Purification:	Purified by Protein A.

Target Details

Target:	TFAM
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Target Details

Alternative Name:	MtTF1 (TFAM Products)
Background:	Synonyms: TCF6, MTTF1, MTTFA, TCF6L1, TCF6L2, TCF6L3, Transcription factor A, mitochondrial, Mitochondrial transcription factor 1, Transcription factor 6, TCF-6, Transcription factor 6-like 2, TFAM Background: 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 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.
Gene ID:	7019
UniProt:	Q00059
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Yan, Liu, Guan, Guo: "Deferoxamine ameliorates adipocyte dysfunction by modulating iron metabolism in ob/ob mice." in: **Endocrine connections**, Vol. 7, Issue 4, pp. 604-616, (2018) ([PubMed](#)).

You, Hou, Zhai, Li, Li, Zhao, Zhao: "Protective effects of PGC-1α via the mitochondrial pathway in rat brains after intracerebral hemorrhage." in: **Brain research**, Vol. 1646, pp. 34-43, (2016) ([PubMed](#)).

Yan, Ji, Shi, Li, Sang: "Acute nitrogen dioxide inhalation induces mitochondrial dysfunction in rat brain." in: **Environmental research**, Vol. 138, pp. 416-24, (2015) ([PubMed](#)).