

产品名称: mtTFA (6Q12) Rabbit Monoclonal Antibody
产品货号: AMRe14221



产品概述 (Summary)

产品名称 (Production Name)	mtTFA (6Q12) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP,IF-P
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TFAM
别名 (Alternative Names)	MtTF1; mtTFA; TCF6; TCF6L1; TCF6L2; TCF6L3; TFAM; Transcription factor 6;
基因 ID (Gene ID)	7019.0
蛋白 ID (SwissProt ID)	Q00059.A synthetic peptide of human mtTFA

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:10000,IHC 1:50-1:100,ICC/IF 1:20-1:50,IP 1:20-1:50,IF-P 1:50-1:100
蛋白分子量 (Molecular Weight)	29kDa

研究背景 (Background)

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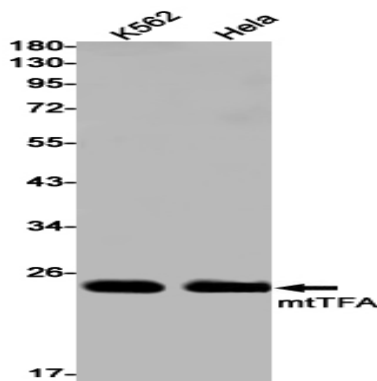


Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation (PubMed:29445193, PubMed:32183942). Component of the mitochondrial transcription initiation complex, composed at least of TFB2M, TFAM and POLRMT that is required for basal transcription of mitochondrial DNA (PubMed:29149603). In this complex, TFAM recruits POLRMT to a specific promoter whereas TFB2M induces structural changes in POLRMT to enable promoter opening and trapping of the DNA non-template strand (PubMed:20410300). Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase (PubMed:22037172). Promotes transcription initiation from the HSP1 and the light strand promoter by binding immediately upstream of transcriptional start sites (PubMed:22037172). Is able to unwind DNA (PubMed:22037172). Bends the mitochondrial light strand promoter DNA into a U-turn shape via its HMG boxes (PubMed:1737790). Required for maintenance of normal levels of mitochondrial DNA (PubMed:22841477, PubMed:19304746). May play a role in organizing and compacting mitochondrial DNA (PubMed:22037171).

研究领域 (Research Area)

Tags & Cell Markers

图片 (Image Data)



Western blot detection of mtTFA in K562, HeLa cell lysates using mtTFA antibody(1:1000 diluted).

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注意事项 (Note)

For research use only .