



Rabbit Anti-MtTF1/TFAM antibody

SL8520R

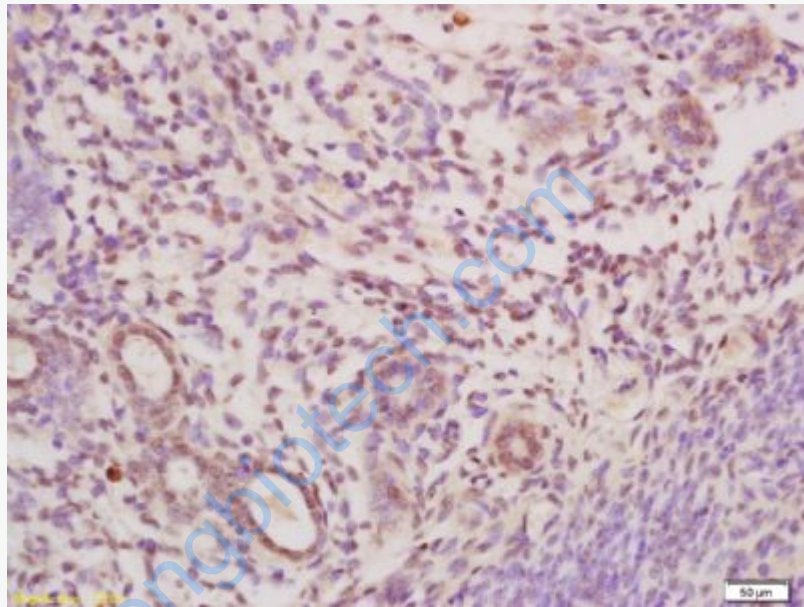
Product Name:	MtTF1/TFAM
Chinese Name:	Mitochondrion转录因子1抗体
Alias:	Mitochondrial transcription factor 1; mitochondrial transcription factor A; MtTF1; mtTFA; TCF 6; TCF-6; TCF6; TCF6L1; TCF6L2; TCF6L3; TFAM; TFAM_HUMAN; Transcription factor 6 ; Transcription factor 6 like 2 (mitochondrial transcription factor); Transcription factor 6 like 2; Transcription factor 6-like 2; Transcription factor A, mitochondrial; Transcription factor A, mitochondrial precursor.
文献引用 PubMed :	<p>Specific References(2)SL8520R has been referenced in 2 publications.</p> <p>[IF=3.95]Yan, Wei, et al. "Acute nitrogen dioxide inhalation induces mitochondrial dysfunction in rat brain." Environmental Research 138 (2015): 416-424.WB;Rat. PubMed:25791864</p> <p>[IF=2.84]You, Yan, et al. "Protective Effects of PGC-1α via the Mitochondrial Pathway in Rat Brains after Intracerebral Hemorrhage." Brain Research(2016).WB;Rat. PubMed:27178364</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,Goat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MtTF1:155-246/246

Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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.</p> <p>Function: 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. Associates with mitochondrial DNA.</p> <p>Subcellular Location: Mitochondrion. Mitochondrion matrix, mitochondrion nucleoid.</p> <p>Similarity: Contains 2 HMG box DNA-binding domains.</p> <p>SWISS: Q00059</p> <p>Gene ID: 7019</p> <p>Database links:</p> <p>Entrez Gene: 7019Human</p> <p>Omim: 600438Human</p> <p>SwissProt: Q00059Human</p> <p>Unigene: 594250Human</p>

[Unigene: 642966](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-MtTF1 Polyclonal Antibody, Unconjugated(SL8520R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining