

For Research Use Only

TFAM Polyclonal antibody

Catalog Number: 22586-1-AP **26 Publications**



Basic Information

Catalog Number: 22586-1-AP	GenBank Accession Number: BC126366	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7019	Recommended Dilutions: WB 1:2000-1:5000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:50-1:500
Source: Rabbit	Full Name: transcription factor A, mitochondrial	
Isotype: IgG	Calculated MW: 246 aa, 29 kDa	
Immunogen Catalog Number: AG18299	Observed MW: 25 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : MCF7 cells, K-562 cells, HeLa cells, human testis tissue, HEK-293 cells, A431 cells, Jurkat cells, HepG2 cells IP : HEK-293 cells, IHC : human testis tissue, human colon cancer tissue
Cited Applications: ChIP, IHC, WB	
Species Specificity: human	
Cited Species: chicken, human, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TFAM, also named as TCF6L2, MtTF1, TCF6, TCF6L1, TCF6L3 and mtTFA, is a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. It is involved in mitochondrial transcription regulation. TFAM is required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. It activates transcription by binding immediately upstream of transcriptional start sites. TFAM is able to unwind and bend DNA.

Notable Publications

Author	Pubmed ID	Journal	Application
Timo Rey	32989247	Nat Cell Biol	WB
Qiancheng Mu	34744970	Front Neurol	WB
Nan Chen	34673421	Biomed Pharmacother	WB

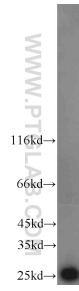
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

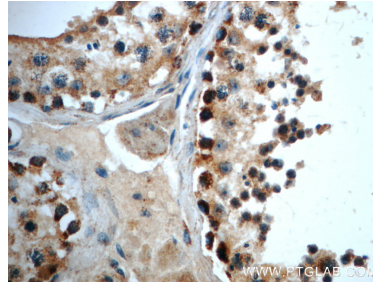
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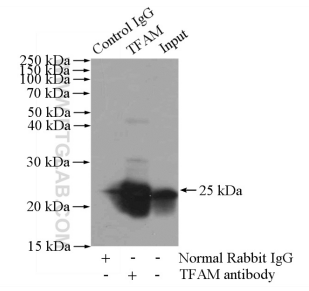
Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 22586-1-AP (TFAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis slide using 22586-1-AP (TFAM Antibody) at dilution of 1:50.



IP Result of anti-TFAM (IP:22586-1-AP, 4ug; Detection:22586-1-AP 1:800) with HEK-293 cells lysate 3200ug.