

Anti-mtTFA Antibody (9N379)

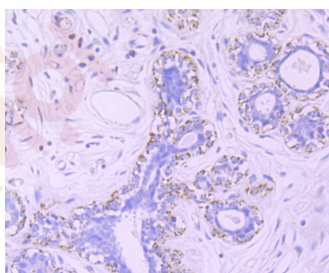
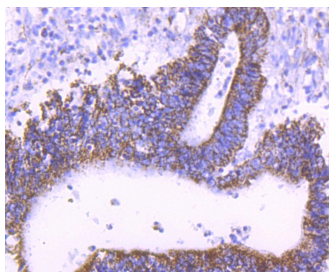
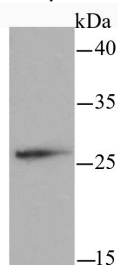
Product Details

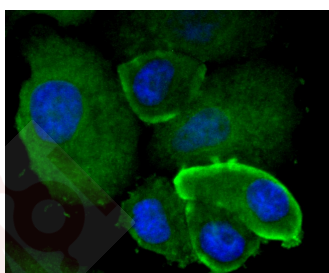
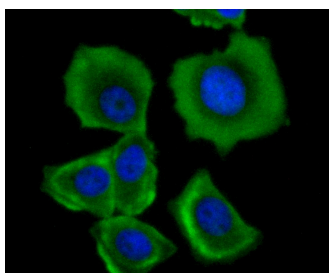
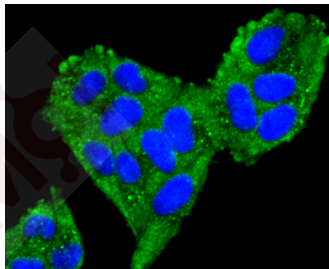
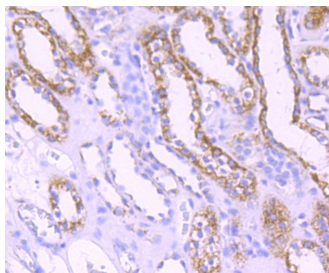
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9N379
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of mtTFA on Hela cell using anti-mtTFA antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-mtTFA antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-mtTFA antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-mtTFA antibody. Counter stained with hematoxylin.
5. ICC staining mtTFA in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining mtTFA in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining mtTFA in SK-Br-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:200-500; IHC: 1:50-200; ICC/IF: 1:50-200; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q00059

Synonyms: Tfam;Transcription factor A, mitochondrial;mitochondrial;Testis-specific high mobility group protein (TS-HMG);mtTFA;Hmgts

Research 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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