

Product datasheet for **TA309904**

mtTFA (TFAM) Mouse Monoclonal Antibody [Clone ID: 18G102B2E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	18G102B2E11
Applications:	ICC/IF, IHC, Simple Western, WB
Recommended Dilution:	Western Blot: 1:1000, Immunocytochemistry/ Immunofluorescence: 1-5 ug/ml, Knockout Validated, Simple Western: 1:20, Immunohistochemistry: 1:200, Immunohistochemistry-Paraffin: 1:200, Knockdown Validated
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human mtTFA [Swiss-Prot# Q00059]
Formulation:	Tris-glycine, 150mM NaCl pH 7.5 and 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transcription factor A, mitochondrial
Database Link:	NP_003192 Entrez Gene 7019 Human Q00059
Synonyms:	MTTF1; MTTFA; TCF6; TCF6L1; TCF6L2; TCF6L3
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Huntington's disease



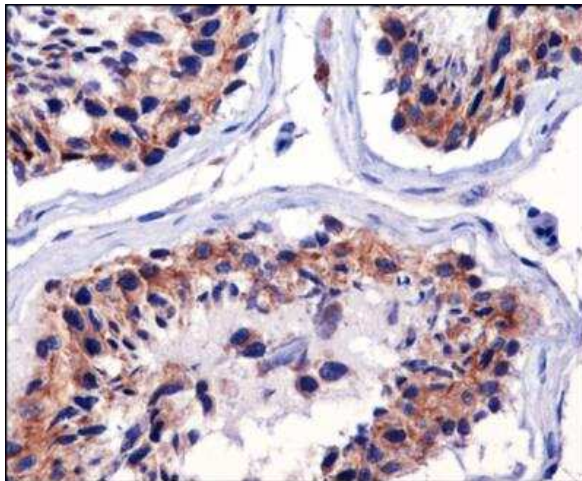
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Product images:


Simple Western: mtTFA Antibody (18G102B2E11) TA309904 - Simple Western lane view shows a specific band for mtTFA in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



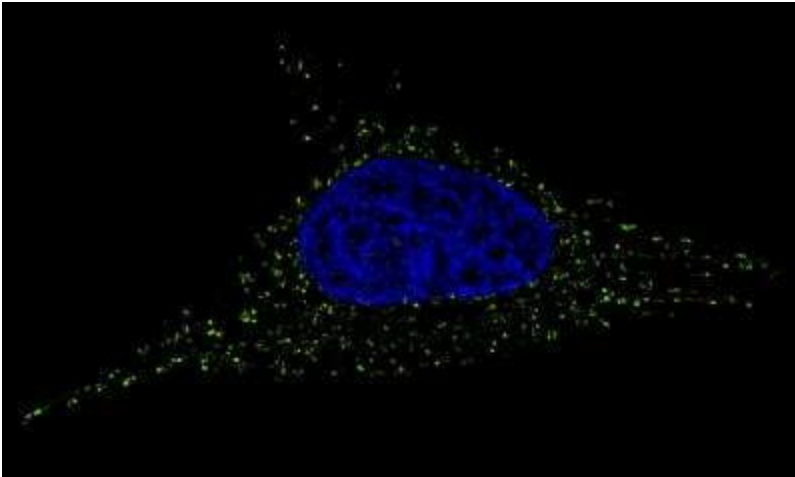
Immunocytochemistry/Immunofluorescence: mtTFA Antibody (18G102B2E11) TA309904 - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-mtTFA Antibody (18G102B2E11) TA309904 at 1 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



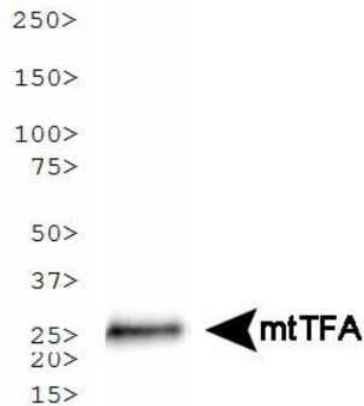
Immunohistochemistry-Paraffin: mtTFA Antibody (18G102B2E11) TA309904 - IHC staining of mtTFA on human testis using DAB with hematoxylin counterstain.



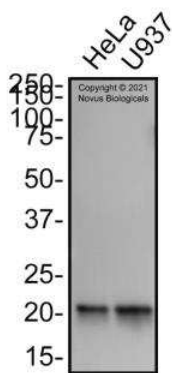
Immunocytochemistry/Immunofluorescence: mtTFA Antibody (18G102B2E11) TA309904 - NIH3T3 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-mtTFA Antibody (18G102B2E11) TA309904 at 1 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



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Western Blot: mtTFA Antibody (18G102B2E11) TA309904 - Analysis of mtTFA expression in HeLa whole cell lysate.



Western Blot: mtTFA Antibody (18G102B2E11) TA309904 - Total protein from HeLa and U937 were separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-mtTFA TA309904 in blocking buffer and detected with an anti-mouse HRP secondary antibody using NovaLume chemiluminescence detection reagent (NPB2-61915).