

Recombinant mtTFA Monoclonal Antibody

Catalog Number:E-AB-81584



Note: Centrifuge before opening to ensure complete recovery of vial contents.

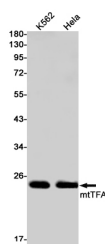
Description

Reactivity	Human
Immunogen	A synthetic peptide of human mtTFA
Host	Rabbit
Isotype	IgG
Clone	R08-3E2
Purification	Affinity Purified
Conjugation	Unconjugated
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

Applications Recommended Dilution

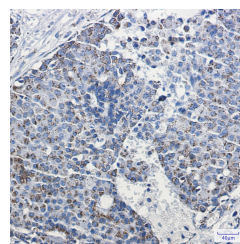
WB	1:1000-1:2000
IHC	1:50-1:100
IF	1:50-1:100

Data

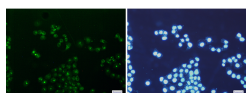


Western blot detection of mtTFA in K562, HeLa cell lysates using mtTFA Rabbit mAb(1:1000 diluted). Predicted band size: 29kDa. Observed band size: 24kDa.

Observed Mw: 24kDa
Calculated Mw: 29kDa



Immunohistochemistry of mtTFA in paraffin-embedded Human breast cancer tissue using mtTFA Rabbit mAb at dilution 1:100



Immunofluorescence of mtTFA/TFAM (green) in HeLa cells using mtTFA/TFAM Rabbit mAb at dilution 1:200, and DAPI (blue)

Preparation & Storage

For Research Use Only

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Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes a key mitochondrial transcription factor containing two high mobility group motifs. The encoded protein also functions in mitochondrial DNA replication and repair. Sequence polymorphisms in this gene are associated with Alzheimer's and Parkinson's diseases. There are pseudogenes for this gene on chromosomes 6, 7, and 11. Alternative splicing results in multiple transcript variants. TFAM (Transcription Factor A, Mitochondrial) is a Protein Coding gene. Diseases associated with TFAM include Mitochondrial Dna Depletion Syndrome 15, Hepatocerebral Type and Skin Carcinoma In Situ. Among its related pathways are Mitochondrial Gene Expression and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.. GO annotations related to this gene include poly(A) RNA binding and chromatin binding.

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