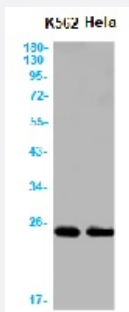


RecomAb™

TFAM recombinant monoclonal antibody, clone R08-3E2

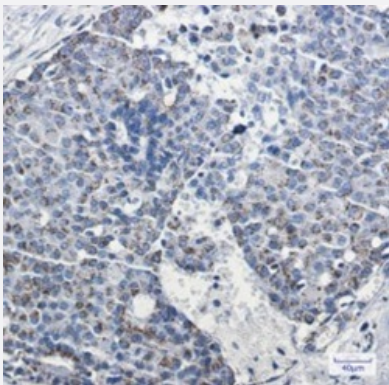
Catalog # RAB01728 Size 100 uL

Applications



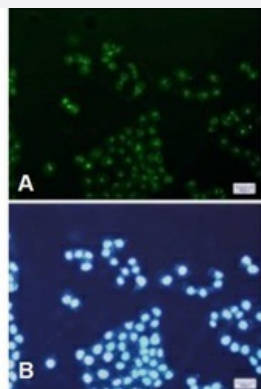
Western Blot

Western blot analysis of mtTFA in K562, HeLa lysates using human mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry

Immunocytochemical staining of HeLa with mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728). (A) mtTFA (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human mtTFA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human mtTFA
Theoretical MW (kDa)	Calculated MW: 29 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of mtTFA in K562, Hela lysates using human mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunocytochemistry

Immunocytochemical staining of Hela with mtTFA recombinant monoclonal antibody, clone R08-3E2 (Cat # RAB01728). (A) mtTFA (green) and (B) DAPI (blue).

- Immunoprecipitation

Gene Info — TFAM

Entrez GeneID [7019](#)

Protein Accession# [Q00059](#)

Gene Name TFAM

Gene Alias MtTF1, TCF6, TCF6L1, TCF6L2, TCF6L3, mtTFA

Gene Description transcription factor A, mitochondrial

Omim ID [600438](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. Studies in mice have demonstrated that this gene product is required to regulate the mitochondrial genome copy number and is essential for embryonic development. A mouse model for Kearns-Sayre syndrome was produced when expression of this gene was eliminated by targeted disruption in heart and muscle cells. [provided by RefSeq]

Other Designations OTTHUMP00000019633[Transcription factor 6-like 2 (mitochondrial transcription factor)]mitochondrial transcription factor A

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)
- [Cardiomegaly](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)