

Datasheet for ABIN2779903
anti-TFAM antibody (C-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	TFAM
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFAM antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of mouse Tfam
Sequence:	FQEAKDDSAQ GKLKLVNEAW KNLSPEEKQA YIQLAKDDRI RYDNEMKSWE
Predicted Reactivity:	Cow: 79%, Mouse: 100%, Rabbit: 79%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Tfam. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	TFAM
Alternative Name:	Tfam (TFAM Products)

Target Details

Background:	TFAM 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 protein 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 the gene was eliminated by targeted disruption in heart and muscle cells. Alias Symbols: A1661103, Hmgt5, mtTFA, tsHMG Protein Interaction Partner: C1QBP, SNCA, Protein Size: 243
Molecular Weight:	27 kDa
Gene ID:	21780
NCBI Accession:	NM_009360 , NP_033386
UniProt:	P40630
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 243 AA
Restrictions:	For Research Use only

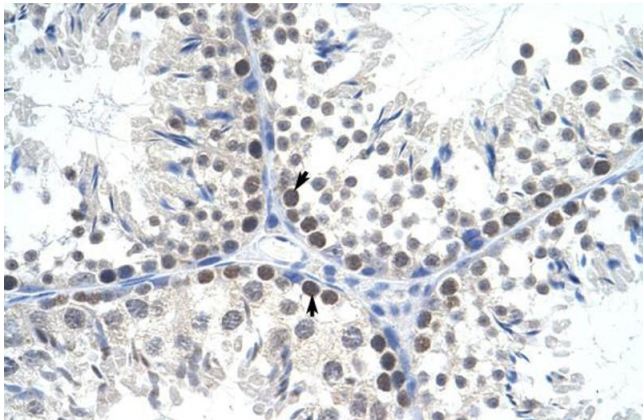
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

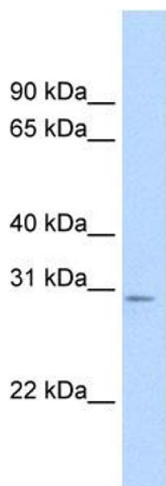
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



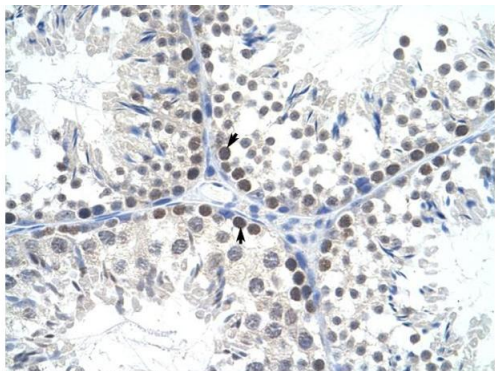
Immunohistochemistry

Image 1. Mouse testicle



Western Blotting

Image 2. WB Suggested Anti-Tfam Antibody Titration: 0.2-1 ug/ml Positive Control: SP2/0 cell lysate



Rabbit Anti-Tfam Antibody
Catalog Number: ARP36993
Lot Number: QC11261
Paraffin Embedded Tissue: Mouse Testicle
Cells with Positive label: spermatocyte (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Mouse testicle