

Datasheet for 100-401-X30**TFAM Antibody****Overview**

Description:	Anti-TFAM (Transcription Factor A, Mitochondrial) (RABBIT) Polyclonal Antibody - 100-401-X30
Item No.:	100-401-X30
Size:	100 µL
Applications:	WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Mitochondrial Transcription Factor A (TFAM) is a key activator of mitochondrial (mt) DNA transcription as well as a participant in mitochondrial genome replication. mtDNA is highly susceptible to oxidative stress leading to mitochondrial dysfunction. Overexpression of TFAM has been implicated in the amelioration of age dependent impairment of brain functions through the prevention of oxidative stress and mitochondrial dysfunction in microglia. More recently, TFAM overexpression has been shown to potentially reduce oxidative stress in motor neurons and delay onset of amyotrophic lateral sclerosis (ALS) in ALS model mice. TFAM Antibody is ideal for researchers interested in neuroscience research.
Synonyms:	Transcription factor A mitochondrial, mtTFA, Testis-specific high mobility group protein, TS-HMG
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Tfam
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Native Protein
Immunogen:	Anti-TFAM Antibody was produced in rabbits by repeated immunizations with a native recombinant mouse TFAM protein with c-terminal 6-his tag.

Purity/Specificity: Anti-TFAM Antibody is a prepared sterile filtered neat serum.

Relevant Links:

- [UniProtKB - P40630](#)
- [GeneID - 21780](#)
- [NCBI - NP_033386.1](#)

Application Details

Tested Applications: WB

Application Note: Anti-TFAM Antibody has been tested in Western Blots and is specific for the ~24 kDa TFAM protein. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000

WB: 1:2000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: Titrated for 10 miniBlots

Buffer: None

Preservative: None

Stabilizer: None

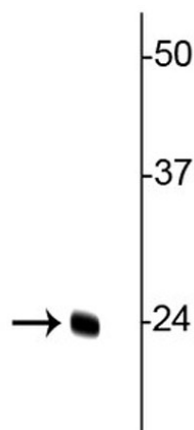
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.

Expiration: Expiration date is one (1) year from date of receipt.

Images

**Western Blot**

Western blot of Anti-TFAM antibody.

Rat kidney lysate showing specific immunolabeling of the ~24 kDa TFAM protein.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.