

Datasheet for ABIN2777277
anti-TFAM antibody (N-Term)

6 Images

10 Publications

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Overview

Quantity:	100 µL
Target:	TFAM
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Cow, Dog, Guinea Pig, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFAM antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TFAM
Sequence:	AKTTELIRRI AQRWRELPDS KKKIYQDAYR AEWQVYKEEI SRFKEQLTPS
Predicted Reactivity:	Cow: 92%, Dog: 83%, Guinea Pig: 75%, Horse: 92%, Human: 100%, Mouse: 75%, Pig: 92%, Rabbit: 83%
Characteristics:	This is a rabbit polyclonal antibody against Transcription Factor AntibodiesAM. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TFAM
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Target Details

Alternative Name:	TFAM (TFAM Products)
Background:	<p>The function remains unknown. 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.</p> <p>Alias Symbols: TCF6, MtTF1, mtTFA, TCF6L1, TCF6L2, TCF6L3</p> <p>Protein Interaction Partner: AGTRAP, FBXW11, ARL6IP1, NEDD1, PPP2R1A, GRSF1, UBC, MDM2, SUZ12, EED, PAN2, MYC, FN1, C1QBP, CAND1, COPS5, CUL3, ELAVL1, ICT1, TFB2M, TFB1M, PNP, NRF1,</p> <p>Protein Size: 246</p>
Molecular Weight:	29 kDa
Gene ID:	7019
NCBI Accession:	NM_003201 , NP_003192
UniProt:	Q00059
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 246 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

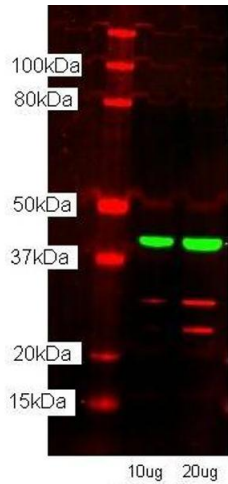
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: Schizophrenia research , Vol. 98, Issue 1-3, pp. 129-38, (2007) (PubMed).
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There are more publications referencing this product on: [Product page](#)

Images

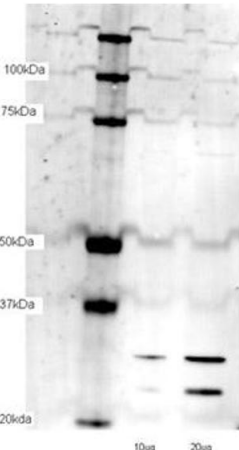


TFAM (ARP31400_P050)
Western Blot
Sample: whole cell protein lysate (RIPA buffer) from bEnd.3 Cell line
Dilution: 1 to 1000
Lane 1: 10 ug
Lane 2: 20 ug

Submitted by:
Martin Kemper
University of California Irvine

Western Blotting

Image 1.

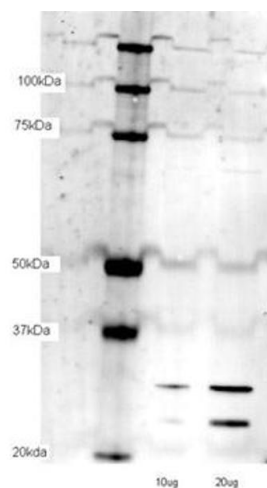


TFAM (ARP31400_P050)
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Western Blotting

Image 2.



Western Blotting

Image 3. TFAM antibody - N-terminal region validated by WB using bEND3 cell lysate at lane1:10 ug, lane2:20 ug.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2777277.