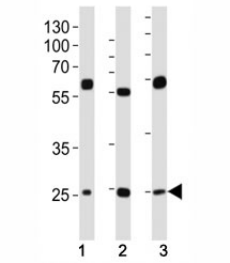
TFAM Antibody (F40574)

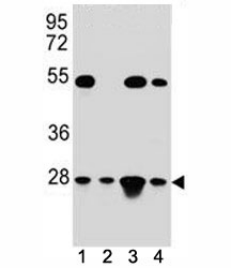
Catalog No.	Formulation	Size
F40574-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40574-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

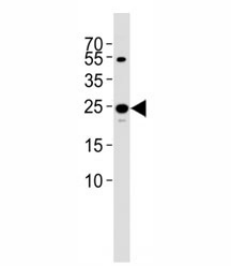
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q00059
Localization	Cytoplasmic
Applications	IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:50 Western Blot : 1:1000
Limitations	This TFAM antibody is available for research use only.



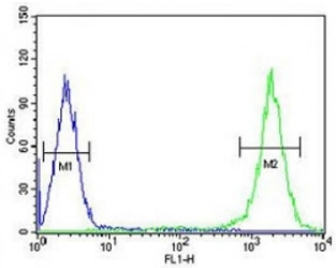
Western blot analysis of lysate from (1) HeLa, (2) HepG2 and (3) U-2OS cell line using TFAM antibody at 1:1000. Expected molecular weight: 24~29 kDa.



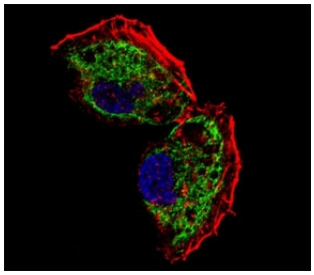
TFAM antibody western blot analysis in (1) HeLa, (2) Jurkat, (3) K562, and (4) MCF-7 lysate; Expected molecular weight: 24~29 kDa.



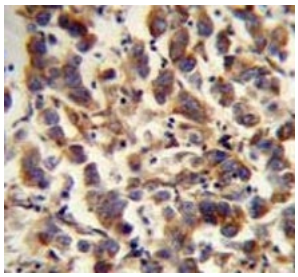
Western blot analysis of lysate from 293T cell line using TFAM antibody diluted at 1:1000. Expected molecular weight: 24~29 kDa.



TFAM antibody flow cytometric analysis of K562 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Fluorescent confocal image of NCI-H460 cell stained with TFAM antibody at 1:25. TFAM immunoreactivity is localized to mitochondrion.



TFAM antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma.

Description

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.

Application Notes

Titration of the TFAM antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 216-246 from the human protein was used as the immunogen for this TFAM antibody.

Storage

Aliquot the TFAM antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com