

Product Datasheet

mtTFA Antibody - BSA Free

NBP1-86959

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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NBP1-86959

mtTFA Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

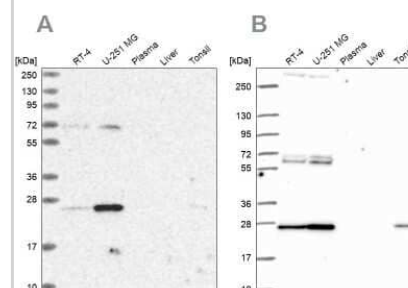
Host	Rabbit
Gene ID	7019
Gene Symbol	TFAM
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 23172368).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AELCTGCGSRLRSPFSFVYLPRWFSSVLASCPKPPVSSYLRFSEQLPIFKAQN PDAKTTELIRRIAQRWRELPDSKK

Product Application Details

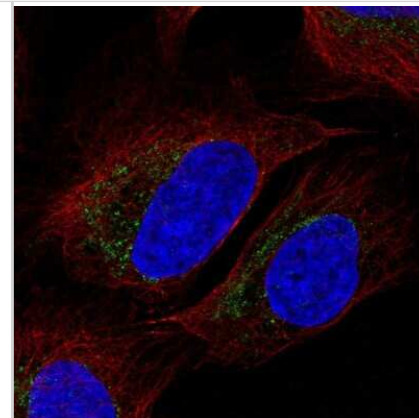
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC reported in scientific literature (PMID: 23172368). For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

Images

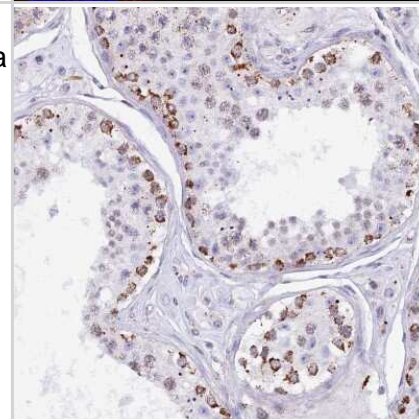
Western Blot: mtTFA Antibody [NBP1-86959] - Analysis using Anti-TFAM antibody NBP1-86959 (A) shows similar pattern to independent antibody NBP2-56077 (B).



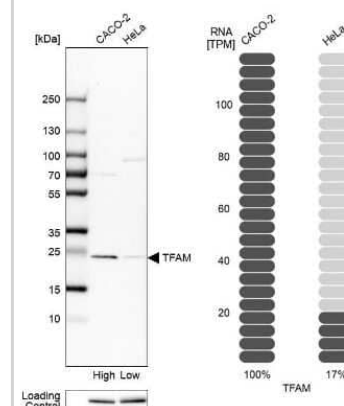
Immunocytochemistry/Immunofluorescence: mtTFA Antibody [NBP1-86959] - Staining of human cell line U-2 OS shows positivity in mitochondria.



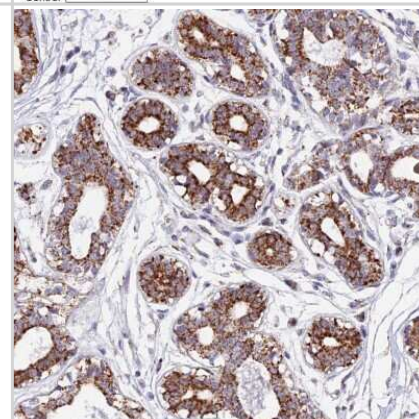
Immunohistochemistry-Paraffin: mtTFA Antibody [NBP1-86959] - Staining of human testis shows strong granular cytoplasmic positivity in a subset of cells in seminiferous ducts.



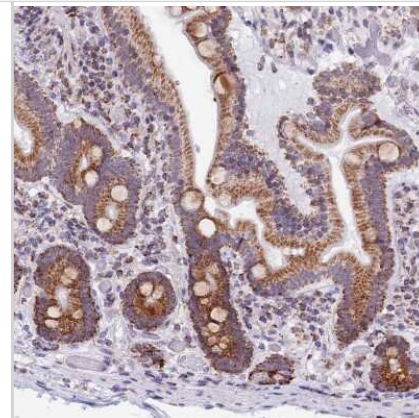
Western Blot: mtTFA Antibody [NBP1-86959] - Analysis in human cell lines Caco-2 and HeLa using anti-TFAM antibody. Corresponding TFAM RNA-seq data are presented for the same cell lines. Loading control: anti-PARP1.



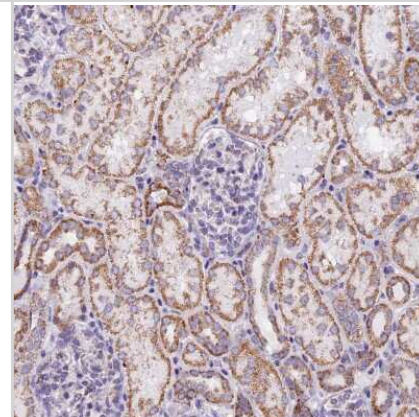
Immunohistochemistry-Paraffin: mtTFA Antibody [NBP1-86959] - Staining of human breast shows strong cytoplasmic positivity in granular pattern in glandular cells.



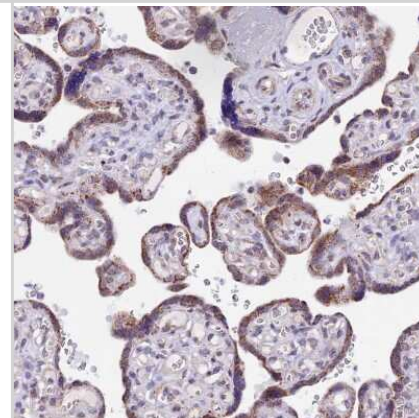
Immunohistochemistry-Paraffin: mtTFA Antibody [NBP1-86959] - Staining of human duodenum shows moderate granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: mtTFA Antibody [NBP1-86959] - Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: mtTFA Antibody [NBP1-86959] - Staining of human placenta shows moderate granular cytoplasmic positivity in trophoblastic cells.



Publications

Sotgia F, Whitaker-Menezes D, Martinez-Outschoorn UE et al. Mitochondria fuel breast cancer metabolism: Fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. Cell Cycle 2012-12-01 [PMID: 23172368] (IF/IHC, Human)



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Products Related to NBP1-86959

NBP1-86959PEP	mtTFA Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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