Datasheet for ABIN2777309

anti-TSFM antibody (Middle Region)

4 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	TSFM
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSFM antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TSFM
Sequence:	GTMMHCQTLK DQPSAYSKGF LNSSELSGLP AGPDREGSLK DQLALAIGKL
Predicted Reactivity:	Cow: 86%, Guinea Pig: 86%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against TSFM. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TSFM
Alternative Name:	TSFM (TSFM Products)

Target Details

Background:	The TSFM protein is a mitochondrial translation elongation factor. Synthesis of the 13 mitochondrial-encoded proteins occurs on a dedicated mitochondrial translation apparatus similar to that found in prokaryotes and requires, in addition to the tRNAs and rRNAs encoded in mtDNA, the concerted action of several translation factors and a large number of mitochondrial ribosomal proteins, all of which are encoded by nuclear genes.Synthesis of the 13 mitochondrial-encoded proteins occurs on a dedicated mitochondrial translation apparatus similar to that found in prokaryotes and requires, in addition to the tRNAs and rRNAs encoded in mtDNA, the concerted action of several translation factors and a large number of mitochondrial ribosomal proteins, all of which are encoded by nuclear genes. The TSFM gene encodes a mitochondrial translation elongation factor (Smeitink et al., 2006 [PubMed 17033963]).[supplied by OMIM]. Alias Symbols: COXPD3, EF-TS, EF-Tsmt, EFTS, EFTSMT Protein Interaction Partner: UBC, SUMO2, LIG4, C1QBP, MRRF, ACOT13, CDV3, MTRNR2L1, Protein Size: 346
Molecular Weight:	38 kDa
Gene ID:	10102
NCBI Accession:	NM_005726, NP_005717
UniProt:	P43897

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 346 AA
Restrictions:	For Research Use only

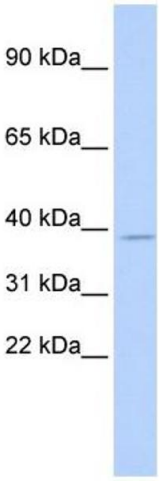
Handling

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

Handling

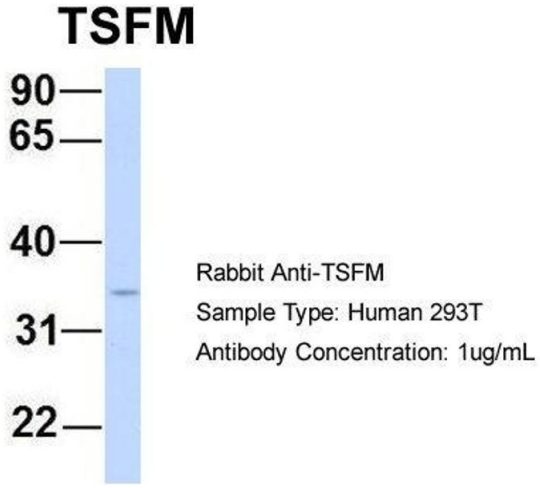
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



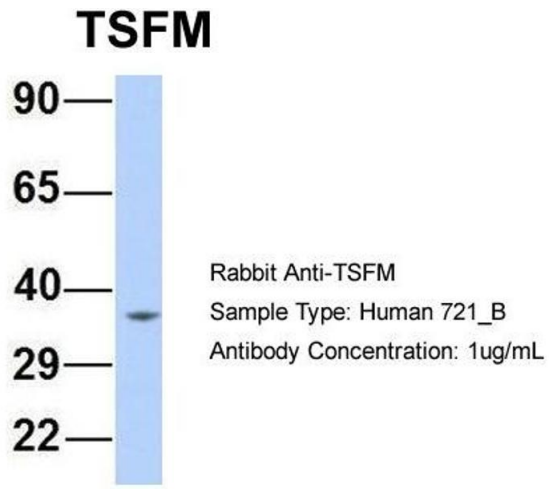
Western Blotting

Image 1. WB Suggested Anti-TSFM Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Hela cell lysate. TSFM is strongly supported by BioGPS gene expression data to be expressed in HeLa



Western Blotting

Image 2. Host: Rabbit Target Name: TSFM Sample Type: Human 293T Antibody Dilution: 1.0ug/ml There is BioGPS gene expression data showing that TSFM is expressed in HEK293T



Western Blotting

Image 3. Host: Rabbit Target Name: TSFM Sample Type: Human 721_B Antibody Dilution: 1.0ug/ml TSFM is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Please check the product details page for more images. Overall 4 images are available for ABIN2777309.