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Datasheet for ABIN2787734

## anti-TUFM antibody (Middle Region)

1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	TUFM (Tufm)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUFM antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TUFM
Sequence:	PEKELAMPGE DLKFNILLRQ PMILEKGQRF TLRDGNRTIG TGLVTNTLAM
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 93%, Yeast: 77%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against TUFM. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	TUFM (Tufm)
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## Target Details

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Alternative Name: TUFM ([Tufm Products](#))

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Background: TUFM is a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. This gene encodes a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. A pseudogene has been identified on chromosome 17. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: COXPD4, EF-TuMT, EFTU, P43

Protein Interaction Partner: FAM9B, FUNDC1, CMTM5, ARL6IP1, HUWE1, FUS, SUMO2, SUMO3, SPRTN, UBC, MDM2, ASB12, ASB14, ASB10, ASB17, SUZ12, BMI1, RNF2, TUBB2A, XPO1, TUBB6, CAMK1D, NSFL1C, IPO9, UBXN1, DCPS, PROSC, PDIA4, PLAA, GTF3C4, NAE1, PPP5C, PPP1R2, PAFAH1B2, HK1, HEXB, GAPDH,

Protein Size: 455

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Molecular Weight: 50 kDa

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Gene ID: 7284

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NCBI Accession: [NM\\_003321](#), [NP\\_003312](#)

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UniProt: [P49411](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 455 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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.

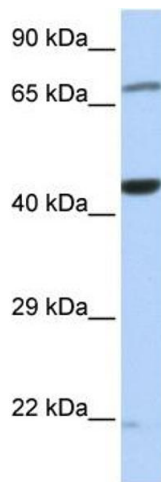
## Publications

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Product cited in:	Pick, Golan, Zimblar, Guo, Sharaby, Tsuge, Hofmann, Wei: "The minimal deneddylase core of the COP9 signalosome excludes the Csn6 MPN- domain." in: <b>PLoS ONE</b> , Vol. 7, Issue 8, pp. e43980, (2012) ( <a href="#">PubMed</a> ).
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## Validation report #100106 for Western Blotting (WB)

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### Western Blotting

#### Image 1. WB Suggested Anti-TUFM Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

**Positive Control:** Hela cell lysate