



# TSMF Rabbit mAb

<b>Catalog No</b>	YP-rAb-17689
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB,IF,ICC
<b>Gene Name</b>	TSMF
<b>Protein Name</b>	Elongation factor Ts, mitochondrial (EF-Ts) (EF-TsMt)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Endogenous
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	WB 1:1000-5000; ICC/IF 1:100-300
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	TSMF ; Elongation factor Ts, mitochondrial ; EF-Ts ; EF-TsMt ;
<b>Observed Band</b>	36kD
<b>Calculated Molecular Weight</b>	
<b>Cell Pathway</b>	Mitochondrion.
<b>Tissue Specificity</b>	Expressed in all tissues, with the highest levels of expression in skeletal muscle, liver and kidney.
<b>Function</b>	Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF-Tu.GTP complex up to the GTP hydrolysis stage on the ribosome. {ECO:0000255 HAMAP-Rule:MF_03135, ECO:0000269 PubMed:27677415}.
<b>Background</b>	This gene encodes a mitochondrial translation elongation factor. The encoded protein is an enzyme that catalyzes the exchange of guanine nucleotides on the translation elongation factor Tu during the elongation step of mitochondrial protein translation. Mutations in this gene are associated with combined oxidative phosphorylation deficiency-3 syndrome. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010]



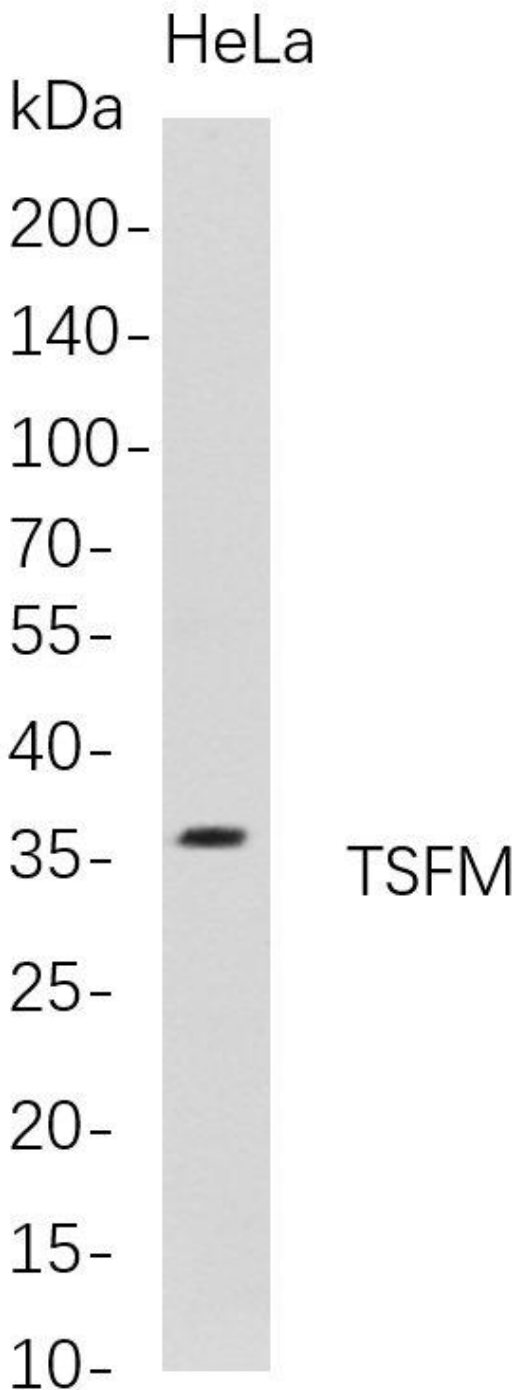


matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Western Blot analysis of HeLa whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TFSM rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

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