

**MTERFD3 Antibody**  
**Catalog # ASC11637****Specification**

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**MTERFD3 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q49AM1</a>
Other Accession	<a href="#">NP_079474</a> , <a href="#">21314736</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 42 kDa
Application Notes	Observed: 40 kDa KDa MTERFD3 Antibody can be used for detection of MTERFD3 by Western blot at 1 µg/mL.

**MTERFD3 Antibody - Additional Information**

Gene ID	80298
<b>Target/Specificity</b>	
MTERFD3; MTERFD3 antibody is predicted to not cross-react with other MTERFD protein family members.	

**Reconstitution & Storage**

MTERFD3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

MTERFD3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**MTERFD3 Antibody - Protein Information**

**Name** MTERF2

**Synonyms** MTERFD3

**Function**

Binds mitochondrial DNA and plays a role in the regulation of transcription of mitochondrial mRNA and rRNA species.

**Cellular Location**

Mitochondrion. Mitochondrion matrix, mitochondrion nucleoid {ECO:0000250|UniProtKB:Q8BKY8}

**Tissue Location**

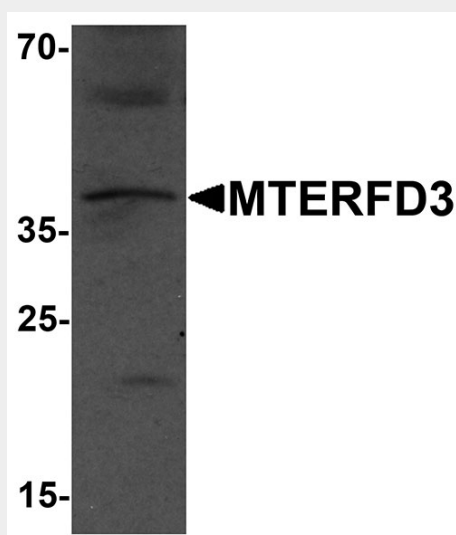
Expressed in skeletal muscle, heart, liver and pancreas.

## MTERFD3 Antibody - Protocols

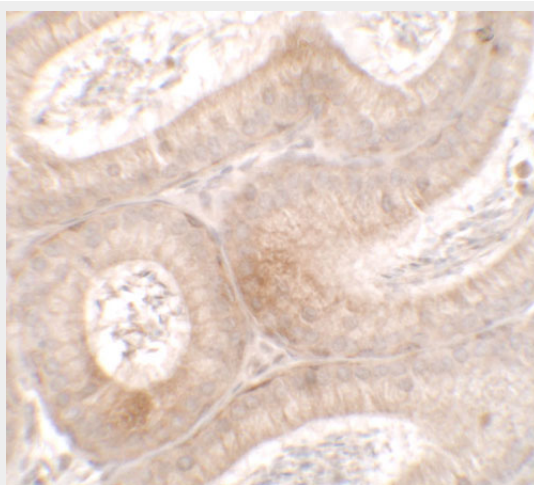
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MTERFD3 Antibody - Images



Western blot analysis of MTERFD3 in human testis tissue lysate with MTERFD3 antibody at 1  $\mu\text{g/mL}$ .



Immunohistochemistry of MTERFD3 in mouse testis tissue with MTERFD3 antibody at 2.5  $\mu\text{g/mL}$ .

## MTERFD3 Antibody - Background

**MTERFD3 Antibody:** Members of the mTERF (mitochondrial transcription termination factor) family, are mitochondrial proteins that are believed to be transcription termination factors. MTERFD3 was initially identified through differential display analysis and is expressed primarily in heart, liver, pancreas and skeletal muscle. MTERFD3 is believed to be involved in cell cycle regulation and cell growth by modulating mitochondrial transcription, and may be a serum-inhibitory factor.

#### **MTERFD3 Antibody - References**

Fernandez-Silva P, et al. The human mitochondrial transcription termination factor (mTERF) is a multizipper protein but binds to DNA as a monomer, with evidence pointing to intramolecular leucine zipper interactions. EMBO J. 1997; 16:1066-79.

Chen Y, Zhou G, Yu M, et al. Cloning and functional analysis of human mTERFL encoding a novel mitochondrial transcription termination factor-like protein. Biochem. Biophys. Res. Commun. 2005; 337:1112-8.

Park CB, Asin-Cayuela J, Camara Y, et al. MTERF3 is a negative regulator of mammalian mtDNA transcription. Cell 2007; 130:273-85.