

MTERFD3 Antibody

Catalog # ASC11637

Product Information

Application	WB, E, IHC-P
Primary Accession	Q49AM1
Other Accession	NP_079474 , 21314736
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	44414
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MTERFD3 Antibody can be used for detection of MTERFD3 by Western blot at 1 µg/mL.

Additional Information

Gene ID	80298
Other Names	Transcription termination factor 2, mitochondrial, Mitochondrial transcription termination factor 2, mTERF2, mTERFL, Mitochondrial transcription termination factor-like protein, mTERF domain-containing protein 3, mitochondrial, MTERF2, MTERFD3
Target/Specificity	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.

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.

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.

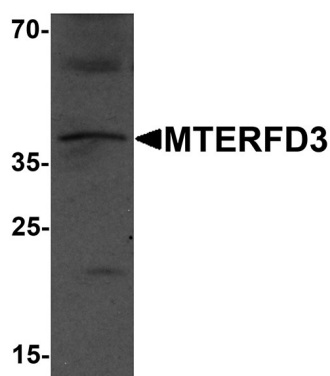
References

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.

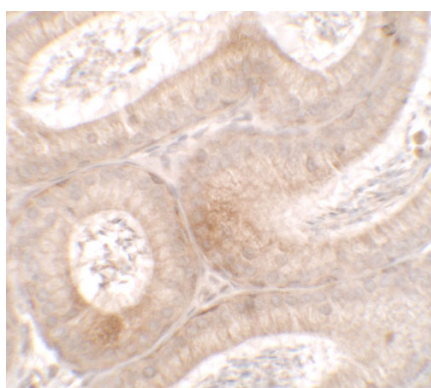
Chen Y, Zhou G, Yu M, et al. Cloning and functional analysis of human mTERFL encoding a novel mitochondrial transcription termination factor-like protein. *Biochem. Biophys. Res. Commun.* 2005; 337:1112-8.

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

Images



Western blot analysis of MTERFD3 in human testis tissue lysate with MTERFD3 antibody at 1 µg/mL.



Immunohistochemistry of MTERFD3 in mouse testis tissue with MTERFD3 antibody at 2.5 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.