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MTERF3 / MTERFD1 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16753

Specification

MTERF3 / MTERFD1 Antibody (C-Terminus) - Product Information

Application	**IHC, WB**
Primary Accession	Q96E29
Other Accession	51001
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**47971**

MTERF3 / MTERFD1 Antibody (C-Terminus) - Additional Information

Gene ID 51001

Other Names
MTERF3, CGI-12, MTERF domain containing 1, MTERFD1

Target/Specificity
At least three isoforms of MTERFD1 are known to exist. MTERFD1 antibody is predicted to not cross-react with other MTERFD protein family members.

Reconstitution & Storage
PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
MTERF3 / MTERFD1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MTERF3 / MTERFD1 Antibody (C-Terminus) - Protein Information

Name MTERF3

Synonyms MTERFD1

Function
Binds promoter DNA and regulates initiation of transcription (PubMed:17662942). Required for normal mitochondrial transcription and translation, and for normal assembly of mitochondrial respiratory complexes. Required for normal mitochondrial function (By similarity). Maintains 16S rRNA levels and functions in mitochondrial ribosome assembly by regulating the biogenesis of the 39S ribosomal subunit (By similarity).

Cellular Location

Mitochondrion

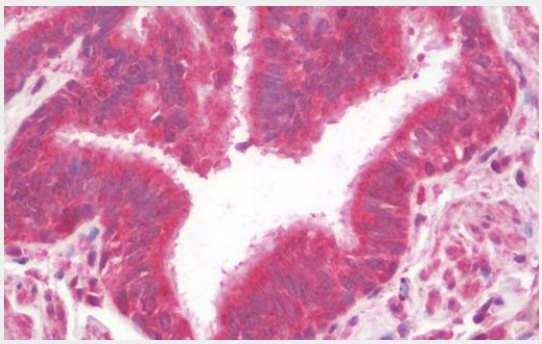
Tissue Location
Highly expressed in heart, liver, kidney and testis. Detected at lower levels in brain, spleen and lung

MTERF3 / MTERFD1 Antibody (C-Terminus) - Protocols

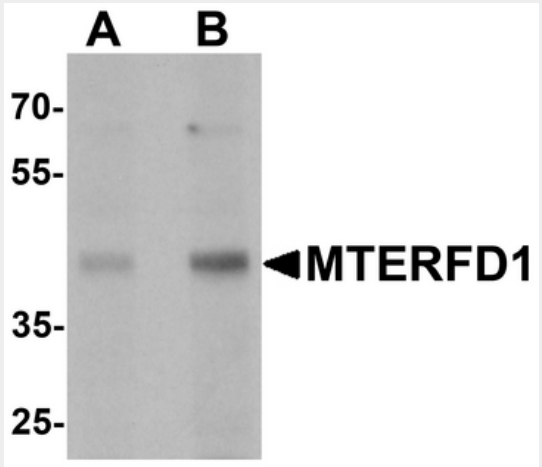
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MTERF3 / MTERFD1 Antibody (C-Terminus) - Images



Anti-MTERFD1 antibody IHC staining of human lung.



Western blot analysis of MTERFD1 in 3T3 cell lysate with MTERFD1 antibody at (A) 1 and (B) 2 ug/ml.

MTERF3 / MTERFD1 Antibody (C-Terminus) - Background

Binds promoter DNA and regulates initiation of transcription. Required for normal mitochondrial

transcription, and for normal assembly of mitochondrial respiratory complexes. Required for normal mitochondrial function (By similarity).

MTERF3 / MTERFD1 Antibody (C-Terminus) - References

Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Park C.B.,et al.Cell 130:273-285(2007).