

**MTERF3 / MTERFD1 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16753****Specification**

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

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">O96E29</a> |
| Other Accession   | <a href="#">51001</a>  |
| 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](http://www.uniprot.org/citations/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

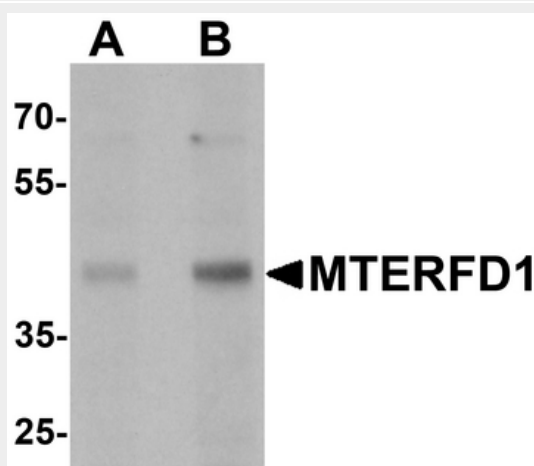
Provided below are standard protocols that you may find useful for product applications.

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

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Park C.B.,et al.Cell 130:273-285(2007).