

For Research Use Only

MTERF Polyclonal antibody

Catalog Number: 16957-1-AP **2 Publications**



Basic Information

Catalog Number: 16957-1-AP	GenBank Accession Number: BC000965	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7978	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: mitochondrial transcription termination factor	
Isotype: IgG	Calculated MW: 46 kDa	
Immunogen Catalog Number: AG10640	Observed MW: 31 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : HeLa cells, Jurkat cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

Mitochondrial transcription termination factor (MTERF) also named as Mterf1 is a 399 amino acid protein, which localizes in the mitochondrion and belongs to the mTERF family. MTERF contains three leucine zippers that form a three-stranded coiled-coil that binds to DNA. It has been suggested that only the phosphorylated form of MTERF has transcription termination activity. MTERF plays a central role in the control of mitochondrial rRNA and mRNA synthesis. MTERFD1 is also thought to act as a mitochondrial transcription regulator and is expressed as two isoforms produced by alternative splicing. Using DNA affinity chromatography, a fraction called MTERF was found to be associated with foot-printing capacity, and this contained two polypeptides of 34 and 31 kDa. Moreover, termination-promoting activity appears to reside in the 34-kDa protein. (PMID:7681833).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Geng	26414765	Nat Immunol	WB
Stanka Matic	29572490	Nat Commun	WB

Storage

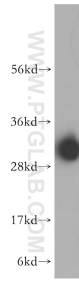
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16957-1-AP (MTERF antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.