



# mTERF Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01882
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	MTERF
<b>Protein Name</b>	Transcription termination factor mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MTERF. AA range:267-316
<b>Specificity</b>	mTERF Polyclonal Antibody detects endogenous levels of mTERF protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MTERF; Transcription termination factor; mitochondrial; Mitochondrial transcription termination factor 1; mTERF
<b>Observed Band</b>	46kD
<b>Cell Pathway</b>	Mitochondrion.
<b>Tissue Specificity</b>	Brain,Colon,Placenta,Uterus,
<b>Function</b>	domain:Composed of three leucine zippers, one of which is bipartite, and two widely spaced basic domains. There is evidence that the leucine zippers form and intramolecular three-stranded coiled-coil that brings the basic domains together to form a DNA-binding motif.,function:Transcription termination factor. Binds to a 28 bp region within the tRNA(Leu(uur)) gene at a position immediately adjacent to and downstream of the 16S rRNA gene, this region comprises a tridecamer sequence critical for directing accurate termination. Probably requires one or more components for termination activity.,PTM:Phosphoprotein with mostly four phosphate groups. While the DNA-binding activity is unaffected by the phosphorylation state, only the phosphorylated form of the protein is active for termination activity. Functioning seems to be regulated by phosphorylation.,similarity:Belongs to the mTERF family.,



### Background

This gene encodes a mitochondrial transcription termination factor. This protein participates in attenuating transcription from the mitochondrial genome; this attenuation allows higher levels of expression of 16S ribosomal RNA relative to the tRNA gene downstream. The product of this gene has three leucine zipper motifs bracketed by two basic domains that are all required for DNA binding. There is evidence that, for this protein, the zippers participate in intramolecular interactions that establish the three-dimensional structure required for DNA binding. [provided by RefSeq, Jul 2008],

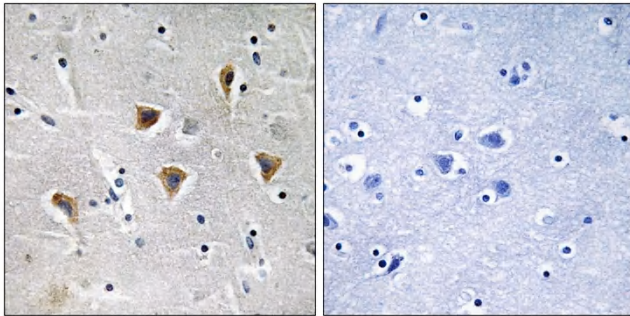
### matters needing attention

Avoid repeated freezing and thawing!

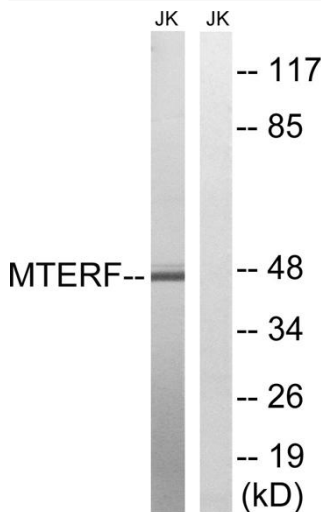
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

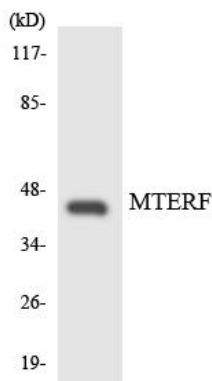
## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MTERF Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using MTERF Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using MTERF antibody.