G-Biosciences Image not found or type unknown

Immunotag™ mtTFA Polyclonal Antibody

Antibody Specification

Catalog No.	ITT2916
Product Description	Immunotag™ mtTFA Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	mtTFA
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human TFAM. AA range:131-180
Specificity	mtTFA Polyclonal Antibody detects endogenous levels of mtTFA protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TFAM
Accession No.	Q00059 P40630
Alternate Names	TFAM; TCF6; TCF6L2; Transcription factor A; mitochondrial; mtTFA; Mitochondrial transcription factor 1; MtTF1; Transcription factor 6; TCF-6; Transcription factor 6-like 2

Antibody Specification

Description	transcription factor A, mitochondrial(TFAM) Homo sapiens This gene encodes a key mitochondrial transcription factor containing two high mobility group motifs. The encoded protein also functions in mitochondrial DNA replication and repair. Sequence polymorphisms in this gene are associated with Alzheimer's and Parkinson's diseases. There are pseudogenes for this gene on chromosomes 6, 7, and 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],
Cell Pathway/ Category	Stem cell pathway, Protein_Acetylation
Protein Expression	Lymphocyte,Pooled,Uterus,
Subcellular Localization	nucleus,mitochondrion,mitochondrial matrix,cytosol,mitochondrial nucleoid,
Protein Function	function:Involved in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Activates transcription by binding immediately upstream of transcriptional start sites. Is able to unwind and bend DNA.,similarity:Contains 2 HMG box DNA-binding domains.,subunit:Interacts with TFB1M and TFB2M.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.