G-Biosciences Image not found or type unknown

Immunotag™ TOP1M Polyclonal Antibody

Antibody Specification

Catalog No.	ITN0651
Product Description	Immunotag™ TOP1M 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	TOP1M
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TOP1M Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	TOP1MT
Accession No.	Q969P6 Q8R4U6 Q6IM78

Antibody Specification

Description	topoisomerase (DNA) I, mitochondrial(TOP1MT) Homo sapiens This gene encodes a mitochondrial DNA topoisomerase that plays a role in the modification of DNA topology. The encoded protein is a type IB topoisomerase and catalyzes the transient breaking and rejoining of DNA to relieve tension and DNA supercoiling generated in the mitochondrial genome during replication and transcription. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012],
Protein Expression	Bladder,Brain,Lung,
Subcellular Localization	nucleus,chromosome,nucleolus,mitochondrion,replication fork protection complex,mitochondrial nucleoid,
Protein Function	catalytic activity:ATP-independent breakage of single-stranded DNA, followed by passage and rejoining.,cofactor:Divalent metal ions (calcium or magnesium).,function:Relieves DNA strain that arise during duplication of mitochondrial DNA.,miscellaneous:When a topoisomerase transiently breaks a DNA backbone bond, it simultaneously forms a protein-DNA link, in which a tyrosyl oxygen in the enzyme is joined to a DNA phosphorus at one end of the enzyme-severed DNA strand.,similarity:Belongs to the eukaryotic type I topoisomerase family.,tissue specificity:Ubiquitous; highest in skeletal muscle, heart, brain and fetal liver.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.