

Anti-TOP1MT Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 66 kDa. Actual: 66 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TOP1mt/TOPO-I Polyclonal Antibody, Unconjugated (TMAB-13671) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Sample:</p> <p>HepG2 Cell Lysate at 40 µg Muscle (Mouse) Lysate at 40 µg Primary: Anti-TOP1MT (TMAB-13671) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 66 kD Observed band size: 66 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TOP1MT) Polyclonal Antibody, Unconjugated (TMAB-13671) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TOP1mt
Antigen Species: Human
Gene ID: 116447
Uniprot ID: Q969P6

Research Background

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].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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