

Topoisomerase II alpha/beta Recombinant antibody

Cat: B35069D

Company: HaoKebio

Uniprot ID: P11388

Applications: IHC:1:100-1:200

Organism: Rabbit

IHC-Polymer:1:400-1:800

Species reactivity: Human Mouse Rat

IHC-TSA:1:500-1:1000

Molecular Weight Calculation: 183 kDa

WB:1:2000-1:10000

Observed Molecular Weight: 183 kDa

Background:

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia.

Protein full name:

 DNA Topoisomerase II Alpha/Beta, Topo II α/β

Synonyms:

TOP2; TP2A

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

 PBS with 0.02% sodium azide, 100 μ g/ml BSA and 50% glycerol.

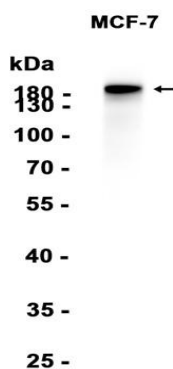
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Dilution of 1:5000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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D) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.