

Topo III α Rabbit pAb

CatalogNo: YT5666

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 115kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from Topo III α . at AA range: 350-430

Specificity

Topo III α Polyclonal Antibody detects endogenous levels of Topo III α protein.

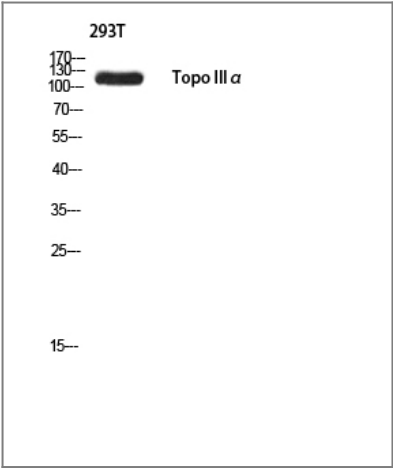
Target Information

Gene name

TOP3A

Protein Name	DNA topoisomerase 3-alpha		
	Organism	Gene ID	UniProt ID
	Human	7156;	Q13472;
	Mouse	21975;	O70157;
Cellular Localization	Mitochondrion matrix .		
Tissue specificity	High expression is found in testis, heart, skeletal muscle and pancreas.		
Function	Catalytic activity:ATP-independent breakage of single-stranded DNA, followed by passage and rejoining.,Function:Reduces the number of supercoils in a highly negatively supercoiled DNA. Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates to limit DNA crossover formation in cells.,similarity:Belongs to the prokaryotic type I/III topoisomerase family.,subunit:Directly interacts with BLM and RMI1. Component of the RMI complex, containing at least TOP3A, RMI1 and RMI2. The RMI complex interacts with BLM.,tissue specificity:High expression is found in testis, heart, skeletal muscle and pancreas.,		

| Validation Data



Western blot analysis of 293T using Topo IIIα antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: http://www.immunoway.com
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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