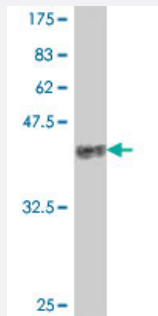


# TOP2B polyclonal antibody (A01)

Catalog # H00007155-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (38.54 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant TOP2B.
<b>Immunogen</b>	TOP2B (NP_001059, 1411 a.a. ~ 1523 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	LDKDEYTFSPGKSKATPEKSLHDKKSQDFGNLFSFPSYSQKSEDDSAKFDSNEEDSASVFSPS FGLKQTDKVPSTVAAKKGKPSSDTPKPKRAPKQKKVVEAVNSDSDSEF
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (88); Rat (84)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.54 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — TOP2B

Entrez GeneID [7155](#)

GeneBank Accession# [NM\\_001068](#)

Protein Accession# [NP\\_001059](#)

Gene Name TOP2B

Gene Alias TOP1IB, top2beta

Gene Description topoisomerase (DNA) II beta 180kDa

Omim ID [126431](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state 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, beta, is localized to chromosome 3 and the alpha form is localized to chromosome 17. 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. Alternative splicing of this gene results in two transcript variants; however, the second variant has not yet been fully described. [provided by RefSeq]

**Other Designations**

DNA topoisomerase II beta|DNA topoisomerase II, 180 kD|DNA topoisomerase II, beta isozyme|U937 associated antigen|antigen MLAA-44|topo II beta|topoisomerase (DNA) II beta (180kD)|topoisomerase II beta|topoisomerase IIb

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)