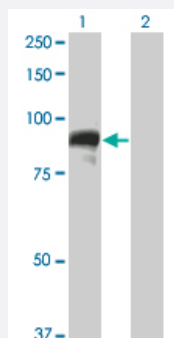


TOP3B monoclonal antibody (M05), clone 4H7

Catalog # H00008940-M05

Size 100 ug

Applications

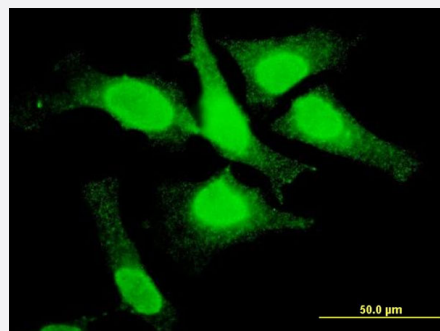


Western Blot (Transfected lysate)

Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M05), clone 4H7.

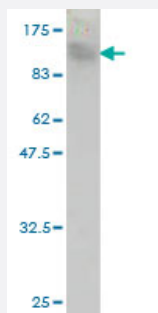
Lane 1: TOP3B transfected lysate(96.662 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TOP3B on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (120.56 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant TOP3B.

Immunogen	TOP3B (AAH02432, 1 a.a. ~ 862 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKTVLMVAEKPSLAQSIKILSRGSLSSHKGLNGACSVHEYTGTFAGQPVRFKMTSVCGHVMTLD FLGKYNKWDKVDPAELFSQAPTEKKEANPKLNMVKFLQVEGRGCDYVLWLDCDKEGENICFEV LDAVLPVMNKAHGGEKTVFRARFSSITDTDICNAMACLGEPDHNEALSVDARQELDLRIGCAFTR FQTKYFQGGYGDLDSSLISFGPCQTPTLGFCVERHDKIQSFKPETYWVLQAKVNTDKDRSLLLDW DRVRFVDREIAQMFLNMTKLEKEAQVEATSRKEKAKQRPLALNTVEMLRVASSSLGMGPQHAM QTAERLYTQGYISYPRTEETHYPENFDLKGSLRQQANHPYWANTVKRLLAEGINRPRKGHDAGDH PPITPMKSATEAELGGDAWRLYEYTRHFIA TVSHDCKYLQSTISFRIGPELFTCSGKTVLSPGFTEV MPWQSVPLEESLPTCQRGDAFPVGEVKMLEKQTNPPDYLTEAELITLMEKHGIGTDASIPVHINNI CQRNYVTVESGRRLKPTNLGMLVHGYYKIDAELVLPTIRSAVEKQLNLIAQGKADYRQVLGHTLDV FKRKFHYFVDSIAGMDELMEVSFSPLAATGKPLSRCGKCHRFMKYQAKPSRLHCSHCDETYTLP QNGTIKLYKELRCPLDDFELVLWSSGSRGKSYPLCPYCYNHPPFRDMKKGMGCNECTHPSCQH SLSMLGIGQCVECESGVLVLDPTSGPKWKVACNKCNCVVAHCFENAHVRVVSADTCSVCEAALL DVDFNKA KSPLPGDETQHMGCVFCDPVFQELVELKHAASCHPMHRGGPGRRQGRGRGRARR PPGKPNRRPKDKMSALAA YFV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (120.56 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M05), clone 4H7.

Lane 1: TOP3B transfected lysate(96.662 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to TOP3B on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — TOP3B

Entrez GeneID [8940](#)

GeneBank Accession# [BC002432](#)

Protein Accession# [AAH02432](#)

Gene Name TOP3B

Gene Alias FLJ39376

Gene Description topoisomerase (DNA) III beta

Omim ID [603582](#)

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 enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus relaxing the supercoils and altering the topology of DNA. The enzyme interacts with DNA helicase SGS1 and plays a role in DNA recombination, cellular aging and maintenance of genome stability. Alternative splicing of the C-terminus of this gene results in three transcript variants which have distinct tissue specificity; however, not all variants have been fully described. [provided by RefSeq]

Other Designations topoisomerase III beta

Pathway

- [Homologous recombination](#)