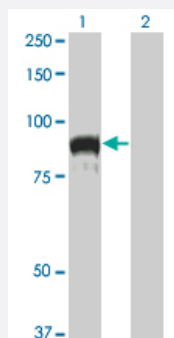


TOP3B monoclonal antibody (M04), clone 1H4

Catalog # H00008940-M04

Size 100 ug

Applications

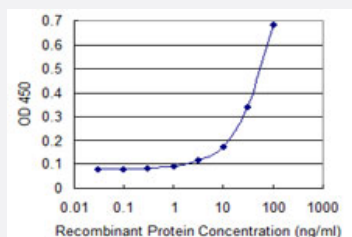


Western Blot (Transfected lysate)

Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M04), clone 1H4.

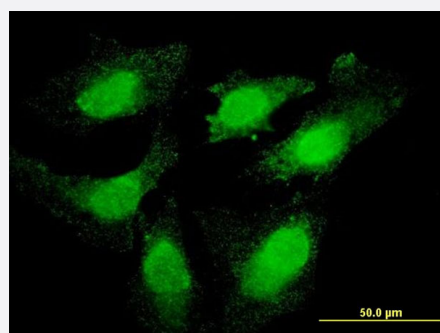
Lane 1: TOP3B transfected lysate (96.662 KDa).

Lane 2: Non-transfected lysate.



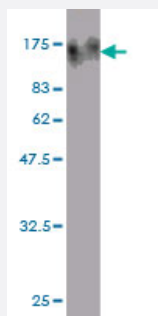
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TOP3B is 1 ng/ml as a capture antibody.



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 FLGKYNKWDKVDPAELFSQAPTEKKEANPKLNMVKFLQVEGRGCDYVLWLDCKEKENICFEV LDAVLPVMNKAHGGEKTVFRARFSSITDIDICNAMACLGEPDHNEALSVDARQELDLRIGCAFT FQTKYFQGKYGDLSSLSIFGPCQTPTLGFCVERHDKIQSFKPETYWVLQAKVNTDKDRSLLLDW DRVRFVDREIAQMFLNMTKLEKEAQVEATSRKEKAKQRPLALNTVEMLRVASSSLGMGPQH QTAERLYTQGYISYPRTEETHYPENFDLKGSLRQQANHPYWANTVKRLAEGINRPRKGHDAGDH PPITPMKSATEAELGGDAWRLYEYTRHFIAVSHDCKYLQSTISFRIGPELFTCSGKTVLSPGFTEV MPWQSVPLEESLPTCQRGDAFPVGEVKMLEKQTNPPDYLTEAELITLMEKHGIGTDASIPVHINI CQRNYVTVESGRRLKPTNLGVLVHGYYKIDAEVLPTIRSAVEKQLNLIAQGKADYRQVLGHTLDV FKRKFHYFVDSIAGMDELMEVSFSPLAATGKPLSRCGKCHRFMKYQAKPSRLHCSHCDETYTLP QNGTIKLYKELRCPLDDFELVLWSSGSRGKSYPLCPYCYNHPPFRDMKKGMGCNECTHPSCQH SLSMLGIGQCVECESGVLVLDPTSGPKWKVACNKCNCVVAHCFENAHVRVVSADTCSVCEAALL DVDFNKAKSPLPGDETQHMGCVFCDPVFQELVELKHAASCHPMHRGGPGRRQGRGRGRARR PPGKPNRRPKDKMSALAAAYFV
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 (M04), clone 1H4.

Lane 1: TOP3B transfected lysate(96.662 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TOP3B is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — TOP3B

Entrez GeneID	8940
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GeneBank Accession#	BC002432
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Protein Accession#	AAH02432
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Gene Name	TOP3B
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Gene Alias	FLJ39376
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Gene Description	topoisomerase (DNA) III beta
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Omim ID	603582
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Gene Ontology	Hyperlink
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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](#)