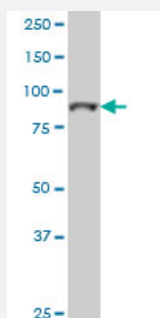


TOP3B monoclonal antibody (M01), clone 4F11

Catalog # H00008940-M01

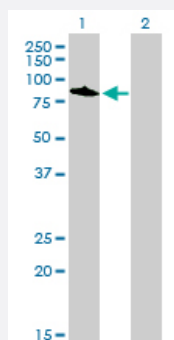
Size 100 ug

Applications



Western Blot (Cell lysate)

TOP3B monoclonal antibody (M01), clone 4F11 Western Blot analysis of TOP3B expression in K-562 (Cat # L009V1).

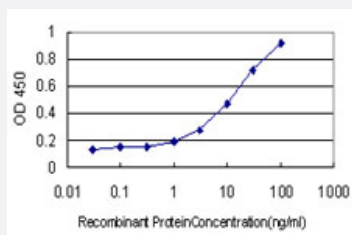


Western Blot (Transfected lysate)

Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M01), clone 4F11.

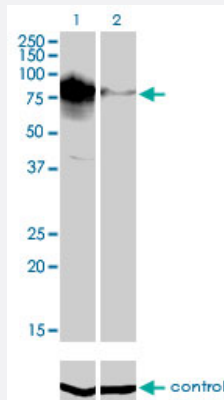
Lane 1: TOP3B transfected lysate(96.7 KDa).

Lane 2: Non-transfected lysate.



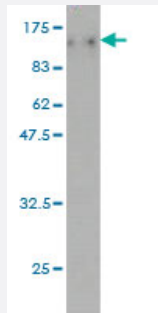
Sandwich ELISA (Recombinant protein)

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



RNAi Knockdown (Antibody validated)

Western blot analysis of TOP3B over-expressed 293 cell line, cotransfected with TOP3B Validated Chimera RNAi (Cat # H00008940-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TOP3B monoclonal antibody (M01), clone 4F11 (Cat # H00008940-M01). GAPDH (36.1 kDa) used as specificity and loading control.



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 FLGKYNKWDKVDPAELFSQAPTEKKEANPKLNMVKFLQVEGRGCDYVLWDCDKEGENICFEV LDAVLPVMNKAHGGEKTVFRARFSSITDIDICNAMACLGEPDHNEALSVDARQELDLRIGCAFTR FQTKYFQGKYGDLSSLSIFGPCQTPTLGFVERHDKIQSFKPETYWVLQAKVNTDKDRSLLLDW DRVRVFDREIAQMFLNMTKLEKEAQVEATSRKEKAKQRPLALNTVEMLRVASSSLGMGPQHAM QTAERLYTQGYISYPRTEETHYPENFDLKGSLRQQANHPYWANTVKRLAEGINRPRKGHDAGDH PPITPMKSATEAELGGDAWRLYEYITRHFIA TVSHDCKYLQSTISFRIGPELFTCSGKTVLSPGFTEV MPWQSVPLEESLPTCQRGDAFPVGEVKMLEKQTNPPDYLTEAELITLMEKHGIGTDASIPVHINNI CQRNYVTVESGRRLKPTNLGMLVHGYYKIDAELVLPTIRSAVEKQLNLIAQGKADYRQVLGHTLDV FKRFHYFVDSIAGMDELMEVSFSPLAATGKPLSRCGKCHRFMKYQAKPSRLHCSHCDETYTLP QNGTIKLYKELRCPLDDFELVLWSSSGSRGKSYPLCPYCYNHPPFRDMKKGMGCNECTHPSCQH SLSMLGIGQCVECESGVLVLDPTSGPKWKVACNKC NVVAHCFENAHRRVVSADTCSVCEAALL DVDFNKA KSPLPGDETQHMGCVFCDPVFQELVELKHAASCHPMHRGGPGRRQGRGRGRARR PPGKPNRRPKDKMSALAAYFV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (95); Rat (94)
Isotype	IgG2b 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 (Cell lysate)

TOP3B monoclonal antibody (M01), clone 4F11 Western Blot analysis of TOP3B expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M01), clone 4F11.

Lane 1: TOP3B transfected lysate(96.7 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 approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of TOP3B over-expressed 293 cell line, cotransfected with TOP3B Validated Chimera RNAi (Cat # H00008940-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TOP3B monoclonal antibody (M01), clone 4F11 (Cat # H00008940-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

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 supercoil 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](#)