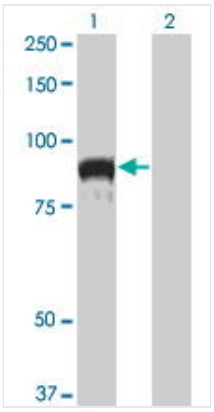
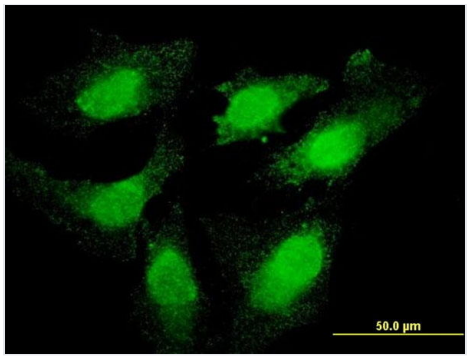
TOP3B Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

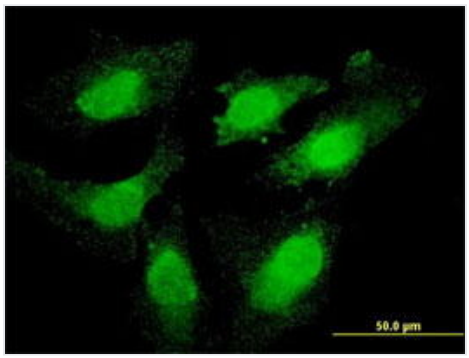
Product Name	TOP3B, Monoclonal Antibody
Full Product Name	TOP3B (Topoisomerase (DNA) III beta, FLJ39376) (AP)
Product Gene Name	anti-TOP3B antibody
Product Synonym Names	Topoisomerase (DNA) III beta; FLJ39376
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1H4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes TOP3B.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Immunogen	TOP3B (AAH02432, 1aa-862aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MKTVLMVAEKPSLAQSIAKILSRGSLSSHKGLNGACSVHEYTGTFAGQPVRFKMTSVCGHVMTLDFLGKYNKWDKVDPAELFSQAPTEKKEANPKLNMV
Conjugate	AP
Product Categories/Family for anti-TOP3B antibody	Antibodies; Topoisomerases
Applications Tested/Suitable for anti-TOP3B antibody	Western Blot (WB)
Application Notes for anti-TOP3B antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TOP3B antibody	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes t
Other Notes	Small volumes of anti-TOP3B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for TOP3B purchase	MBS6161815 is an antibody targeting TOP3B. Also known as TOP3B (Topoisomerase (DNA) III beta, FLJ39376) (AP). Host: Mouse.



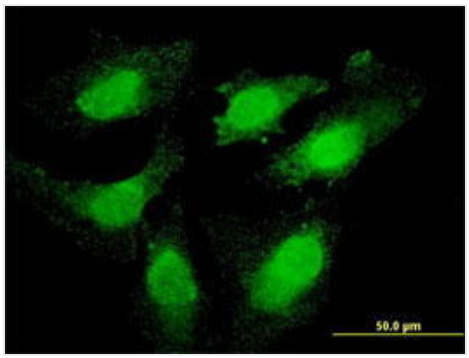
Western Blot (WB) of anti-TOP3B antibody
Western Blot analysis of TOP3B expression in transfected 293T cell line by TOP3B monoclonal antibody (M04), clone 1H4.Lane 1: TOP3B transfected lysate(96.662 KDa).Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-TOP3B antibody
Immunofluorescence of monoclonal antibody to TOP3B on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-TOP3B antibody
Immunofluorescence of monoclonal antibody to TOP3B on HeLa cell. [antibody concentration 10 ug/ml]



Testing Data of anti-TOP3B antibody
Detection limit for recombinant GST tagged TOP3B is 1 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TOP3B. It may not necessarily be applicable to this product.

NCBI GI #	12803239
NCBI GeneID	8940
NCBI Accession #	AAH02432
UniProt Related Accession #	O95985
NCBI Official Full Name	Topoisomerase (DNA) III beta
NCBI Official Synonym Full Names	DNA topoisomerase III beta
NCBI Official Symbol	TOP3B
NCBI Official Synonym Symbols	TOP3B1
Protein Family	DNA topoisomerase
NCBI Protein Information	DNA topoisomerase 3-beta-1
NCBI Summary for TOP3B	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states 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. Low expression of this gene may be related to higher survival rates in breast cancer patients. This gene has a pseudogene on chromosome 22. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013]

Research Articles on TOP3B	**1.** Findings indicate the regulation of DNA topoisomerase III beta (TOP3B) activity by post-translational modification (PTM).
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