

Product datasheet for AM26595AF-N

OriGene Technologies, Inc.

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Topoisomerase II alpha (TOP2A) (C-term) Mouse Monoclonal Antibody [Clone ID: 1C5]

Product data:

Product Type: Primary Antibodies

Clone Name: 1C5

Applications: FC, IF, IHC, IP, WB

Recommended Dilution: Western blot: 0.1-0.5 μg/ml for chemiluminescence detection system.

Immunoprecipitation: 1-10 μg/200-300 μg/ml of cell extract.

Immunohoistochemistry on paraffin sections: Heat treatment is necessary; Microwave oven;

2 times for 10 minutes aech in 10 mM citrate buffer (pH 6.5).

Immunocytochemistry: 1-10 µg/ml.

Flow cytometry: 0.1-1 µg/ml (final contentration).

Reactivity: Human
Host: Mouse
Isotype: IgG2a

Clonality: Monoclonal

Immunogen: Recombinant human Topoisomerase II alpha protein corresponding to C-termional 182 aa

Specificity: This antibody detects 170 kDa of human Topo II alpha on Western blot with total cell lysate

from human cell lines.

Formulation: PBS containing 50 % glycerol, pH 7.2. No preservative is contained.

State: Azide Free

State: Liquid Ig fraction

Concentration: lot specific

Purification: Protein A agarose
Conjugation: Unconjugated

Storage: Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.

Stability: Shelf life: One year from despatch.

Gene Name: topoisomerase (DNA) II alpha

Database Link: Entrez Gene 7153 Human

P11388





Topoisomerase II alpha (TOP2A) (C-term) Mouse Monoclonal Antibody [Clone ID: 1C5] – AM26595AF-N

Background: Topoisomerase II alpha plays important roles in synthesis and transcription of DNA as wells

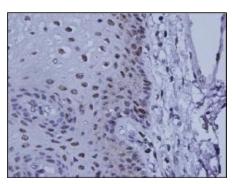
chromosomal segregation during mitosis. It is reported to be a sensitive and specific marker of late S-, G2- and M-phases in transformed and developmentally regulated normal cells. Topoisomerase II

alpha is also implicated in drug resistance of tumor cells.

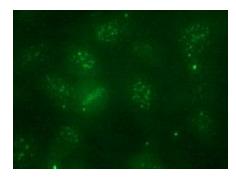
Synonyms: TOP2, Top-2, DNA topoisomerase 2-alpha, DNA topoisomerase II alpha isozyme

Note: This product was originally produced by MBL International.

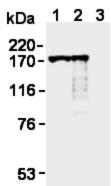
Product images:



Immunohistochemical detection on DNA Topoisomerase II alpha on paraffin embedded section of human stomach with AM26595AF-N

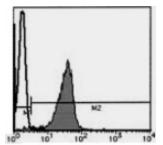


Immunocytochemical detection of DNA Topoisomerase II alpha on acetone fixed HEp-II with AM26595AF-N.



Western blot analysis of DNA Topoisomerase II alpha expression in Jurkat (1), Raji (2) and WR10L (3) using AM26595AF-N.





Flow cytometric analysis of DNA Topoisomerase II alpha expression in Jurkat. Open histogram indicates the reaction of isotypic control to the cells. Shaded histogram indicates the reaction of AM26595AF-N to the cells.