

Rabbit anti-Human Topoisomerase IIa Monoclonal Antibody

Topoisomerase IIa RMAb

CATALOG # AAA59272	HOST Rabbit	REACTIVITY Human
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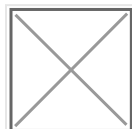
PRODUCT SYNONYMS

Topoisomerase IIa; Monoclonal Antibody; Topoisomerase IIa RMAb; anti-Topoisomerase IIa antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RBT-Topo2a
Form/Format	Topo IIa is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Cervical, Breast Cancer
Localization	Nuclear
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Recommended Immunohistochemical Protocol Pretreatment 1. Cut and mount 3-4 micron formalin-fixed paraffin-embedded tissues on positive charged slides. 2. Air dry for 2 hours at 58° C. 3. Deparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat epitope retrieval using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate or EDTA. 5. Any of three heating methods may be used: a. Electric Pressure Cooker Place standoff rack at base of pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high, and incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the Immuno DNA Retriever with Citrate or EDTA in a water bath set at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a Steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. Wash slides with IHC wash buffer or 0.1 water. 8. Continue IHC staining protocol. Immunohistochemical Protocol

IHC (Immunohistochemistry)



Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-Topoisomerase IIa antibody	DNA Topoisomerase II alpha (Topo IIa) is a nucleic enzyme that affects the topological structure of DNA by interacting with the double-helix DNA, thus playing an important role in DNA replication, transcription, recombination, condensation, and segregation. Type II topoisomerases cut both strands of the DNA helix simultaneously in order to change the linking number of the molecule. Topo IIa is essential in the separation of daughter strands at the end of replication. Failure to separate these strands leads to cell death. In cancers, the Topo IIa is highly expressed in highly-proliferating cells. Topo IIa has been identified by DNA microarray and transcriptional profiling as a gene that is overexpressed in Cervical Carcinomas. The TOP2A gene is approximately 30 kb in size and encodes a 170 kDa protein. Topo IIa protein is expressed in proliferating cells and in numerous human malignant tumors, including colon, gastric and breast cancers, Lymphomas and others. In certain cancers, such as Peripheral Nerve Sheath Tumors, high expression of this protein is also associated with poor patient survival. Type II topoisomerases are the targets for anticancer drugs, such as topoisomerase II inhibitor therapies like the anthracyclines (Doxorubicin and Epirubicin).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3869316
NCBI Official Full Name	topoisomerase II alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/topoisomerase-ii-a-antibody-clone-rbt-topo2a-elisa/59272>