

Recombinant Topoisomerase II alpha (Proliferation & Drug-Resistance Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-802R]

Catalog No	Format	Size
7153-RBM12-P0	Purified Ab with BSA and Azide	20 ug
7153-RBM12-P1	Purified Ab with BSA and Azide	100 ug

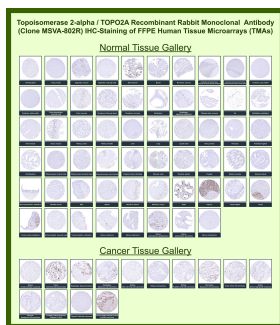
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-802R
Immunogen	Recombinant human Topoisomerase II alpha fragment (aa1352-1493) (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	170kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleoplasm, Nucleus
Species Reactivity	Human
Positive Control	Colon: A fraction of cells, especially in the crypt basis should show a moderate to strong nuclear TOPO2A immunostaining.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Topoisomerase II alpha (Proliferation & Drug-Resistance Marker) Antibody



DNA topoisomerase 2-alpha Rabbit Recombinant Monoclonal Antibody (MSVA-802R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

The topoisomerase II- α isoform is a 170kDa nuclear protein and plays an important role in DNA synthesis and RNA transcription, as well as chromosomal segregation during mitosis. Topoisomerase II- α is reported to be a sensitive and specific marker of late S-, G2- & M-phases in transformed and developmentally regulated normal cells, and has been shown to be over-expressed in many human cancers. Decreased expression of Topoisomerase II- α is the predominant mechanism of resistance to several chemotherapeutic agents.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
