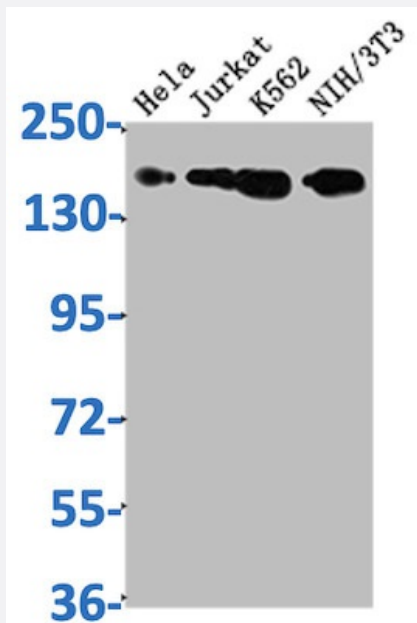


RecomAb™

TOP2A recombinant monoclonal antibody, clone 5B10

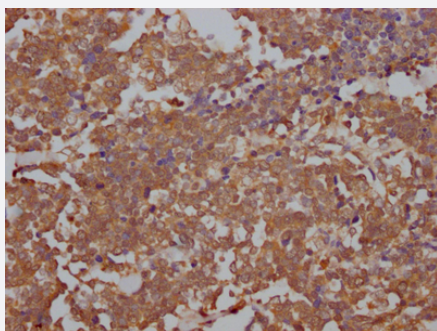
Catalog # RAB03988 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: NIH/3T3 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of TOP2A recombinant monoclonal antibody, clone 5B10 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and mouse TOP2A.
Antibody Species	Rabbit

Immunogen	Original antibody is raised against recombinant protein corresponding to full length human TOP2A.
Theoretical MW (kDa)	Calculated MW: 175,
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: NIH/3T3 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of TOP2A recombinant monoclonal antibody, clone 5B10 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TOP2A

Entrez GeneID	7153
Protein Accession#	P11388
Gene Name	TOP2A

Gene Alias	TOP2, TP2A
Gene Description	topoisomerase (DNA) II alpha 170kDa
Omim ID	126430
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia. [provided by RefSeq]</p>
Other Designations	DNA topoisomerase II, 170 kD DNA topoisomerase II, alpha isozyme topoisomerase (DNA) II alpha (170kD)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)