

Anti -Topoisomerase II alpha Rabbit pAb

GB111031 100µL -20°C

Product Information

Description	Topoisomerase II alpha rabbit polyclonal antibody
Protein full name	DNA topoisomerase 2-alpha
Synonyms	DNA topoisomerase II, alpha isozyme, TOP2A, Top-2, Top2
Immunogen	Recombinant protein corresponding to Mouse Top2a
Isotype	IgG
Purity	Affinity purification
Subcellular location	Cytoplasm, Nucleus
Uniprot ID	Q01320, P41516

Applications

Applications	Species	Dilution	Positive Sample
IHC/IF	Mouse, Rat	1: 500-1: 2000	brain, ovary, thymus, thymus+LPS

Background

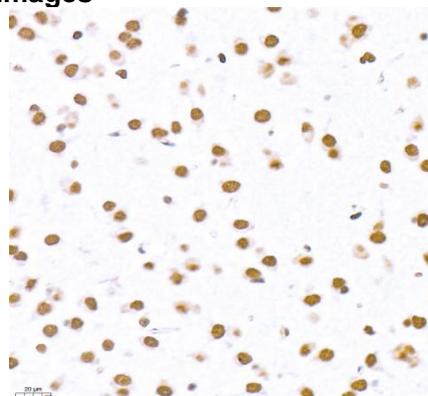
This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. 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.

Storage

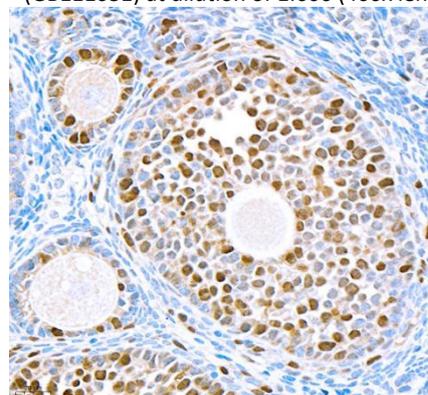
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

NOTE: 1. This product is intended for research only.
2. This product is recommended to dilute with the Primary Antibody Dilution Buffer.

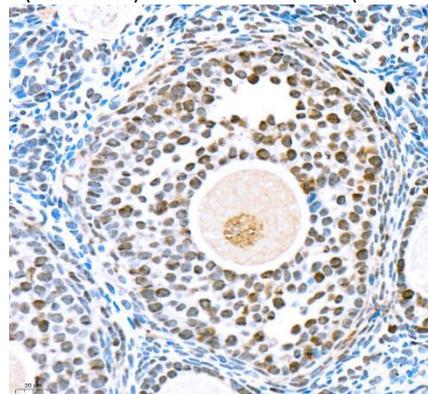
Images



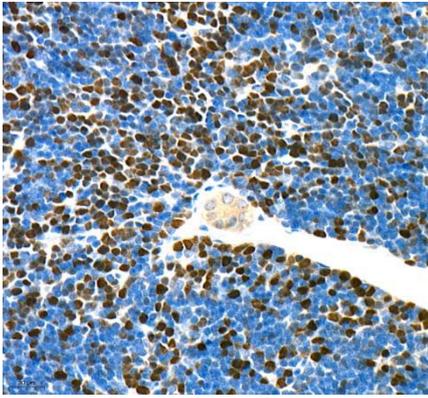
Immunohistochemistry of paraffin embedded mouse brain using Top2 (GB111031) at dilution of 1:600 (400x lens)



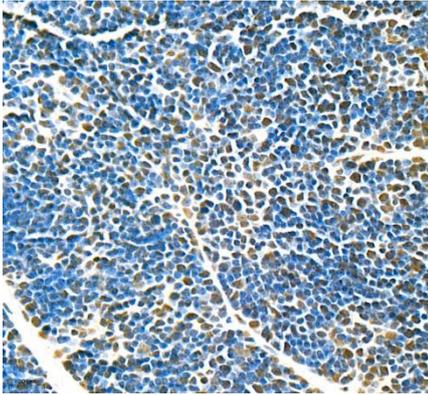
Immunohistochemistry of paraffin embedded mouse ovary using Top2 (GB111031) at dilution of 1:5000 (400x lens)



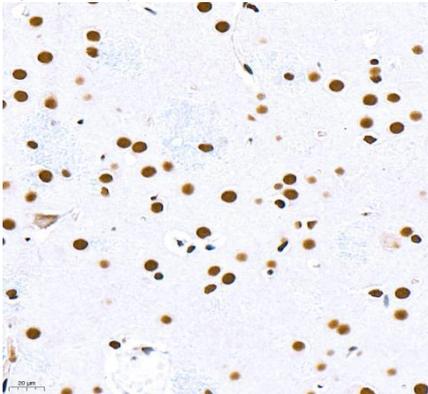
Immunohistochemistry of paraffin embedded mouse ovary using Top2 (GB111031) at dilution of 1:600 (400x lens)



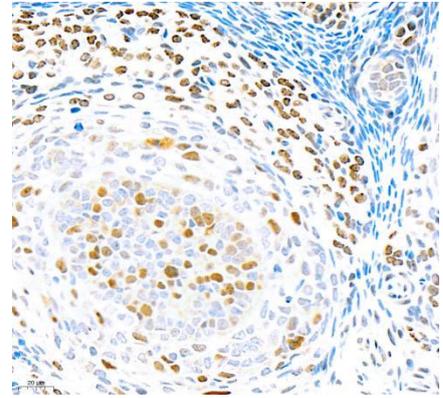
Immunohistochemistry of paraffin embedded mouse thymus using Top2 (GB111031) at dilution of 1:5000 (400x lens)



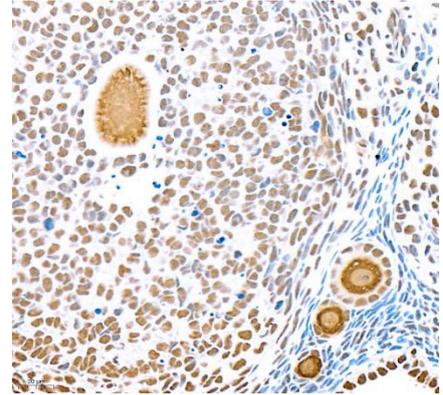
Immunohistochemistry of paraffin embedded mouse thymus using Top2 (GB111031) at dilution of 1:600 (400x lens)



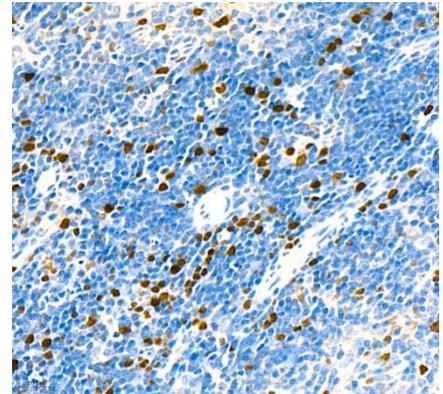
Immunohistochemistry of paraffin embedded rat brain using Top2 (GB111031) at dilution of 1:600 (400x lens)



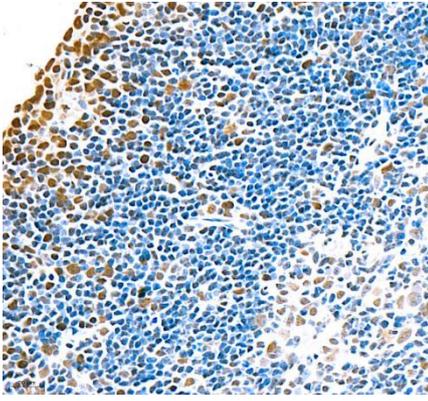
Immunohistochemistry of paraffin embedded rat ovary using Top2 (GB111031) at dilution of 1:5000 (400x lens)



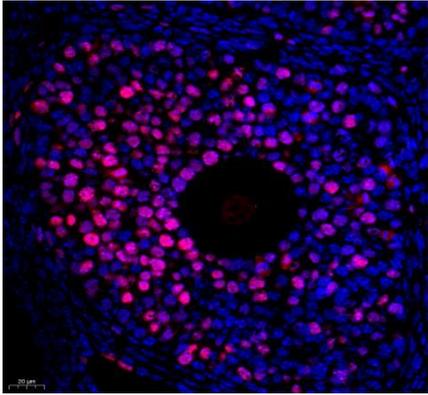
Immunohistochemistry of paraffin embedded rat ovary using Top2 (GB111031) at dilution of 1:600 (400x lens)



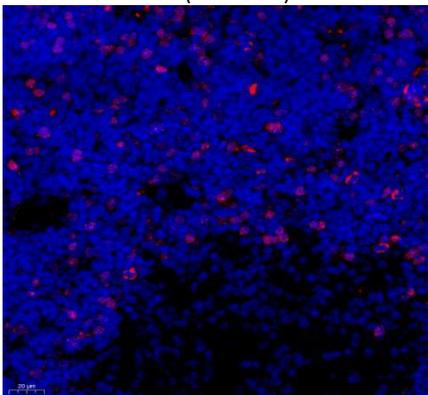
Immunohistochemistry of paraffin embedded rat thymus+LPS using Top2 (GB111031) at dilution of 1:5000 (400x lens)



Immunohistochemistry of paraffin embedded rat thymus+LPS using Top2 (GB111031) at dilution of 1:600 (400x lens)



Immunofluorescence of paraffin embedded mouse ovary using Top2 (GB111031) at dilution of 1:500 (400x lens)



Immunofluorescence of paraffin embedded rat thymus using Top2 (GB111031) at dilution of 1:500 (400x lens)