

KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody
Rabbit polyclonal antibody
Catalog # AGI2132**Specification****KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P11388
Reactivity	Rat, Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 174 kDa, observed, 190 kDa kDa
Gene Name	TOP2A
Aliases	TOP2A; DNA Topoisomerase II Alpha; TOP2alpha; TOPIIA; TOP2; Topoisomerase (DNA) II Alpha 170kDa; DNA Topoisomerase II, Alpha Isozyme; DNA Topoisomerase 2-Alpha; DNA Topoisomerase (ATP-Hydrolyzing); DNA Topoisomerase II, 170 KD; EC 5.99.1.3; DNA Gyrase; EC 5.6.2.2; TP2A
Immunogen	A synthesized peptide derived from human Topoisomerase 2 alpha

KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody - Additional Information

Gene ID	7153
Other Names	
DNA topoisomerase 2-alpha, 5.6.2.2 {ECO:0000255 PROSITE-ProRule:PRU00995, ECO:0000269 PubMed:19222228, ECO:0000269 PubMed:19697956}, DNA topoisomerase II, alpha isozyme, TOP2A, TOP2	

KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody - Protein Information**Name** TOP2A**Synonyms** TOP2**Function**

Key decatenating enzyme that alters DNA topology by binding to two double-stranded DNA molecules, generating a double-stranded break in one of the strands, passing the intact strand through the broken strand, and religating the broken strand (PubMed:17567603, PubMed:18790802, PubMed:22013166, PubMed:22323612). May play a role in regulating the period length of BMAL1 transcriptional oscillation (By similarity).

Cellular Location

Cytoplasm. Nucleus, nucleoplasm. Nucleus. Nucleus, nucleolus

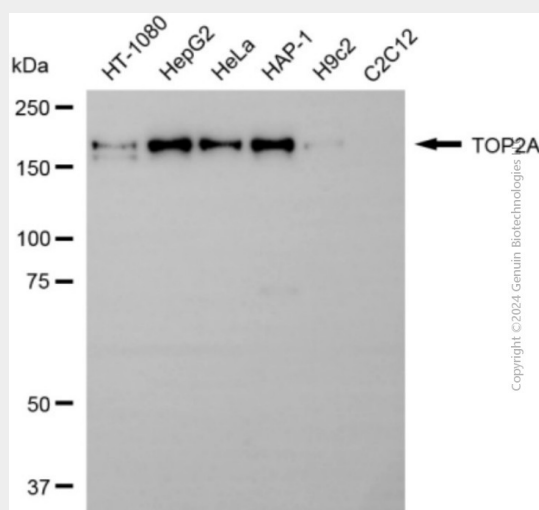
Tissue Location

Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in high-grade lymphomas, squamous cell lung tumors and seminomas (PubMed:9155056)

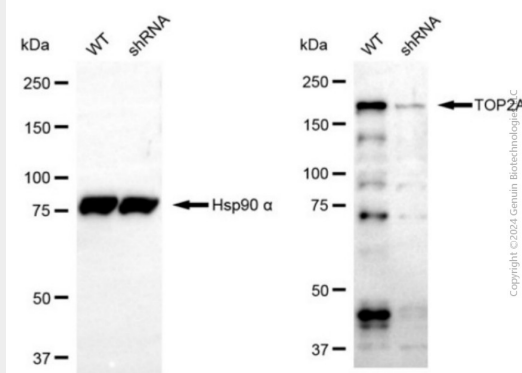
KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody - Images

Western blotting analysis using anti-TOP2A antibody (Cat#AGI2132). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TOP2A antibody (Cat#AGI2132, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-TOP2A antibody (Cat#AGI2132). TOP2A expression in wild-type (WT) and TOP2A shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TOP2A antibody (Cat#AGI2132, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.