

For Research Use Only

CoraLite® Plus 488-conjugated TOP2A-Specific Recombinant monoclonal antibody

Catalog Number: **CL488-82738-10**



Basic Information

Catalog Number: CL488-82738-10	GenBank Accession Number: NM_001067	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7153	CloneNo.: 253104A1
Source: Rabbit	UNIPROT ID: P11388	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: topoisomerase (DNA) II alpha 170kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 174 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

Background Information

TOP2A, also named as TOP2, belongs to the type II topoisomerase family. Topoisomerase II makes double-strand breaks. TOP2 control the topological states of DNA by transient breakage and subsequent rejoining of DNA strands. TOP2A may play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation. DNA topoisomerase IIa (170 kDa, TOP2a/170) is essential in proliferating cells by resolving DNA topological entanglements during chromosome condensation, replication, and segregation.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 TOP2A-Specific antibody (CL488-82738-10, Clone: 253104A1) at dilution of 1:200, CL594-phalloidin (red).