

For Research Use Only

TOP2A-Specific Recombinant monoclonal antibody, PBS Only

Catalog Number: 82738-10-PBS



Basic Information

Catalog Number:

82738-10-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001067

GeneID (NCBI):

7153

UNIPROT ID:

P11388

Full Name:

topoisomerase (DNA) II alpha 170kDa

Calculated MW:

174 kDa

Purification Method:

Protein A purification

CloneNo.:

253104A1

Applications

Tested Applications:

IHC, IF/ICC, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS only, pH7.3

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

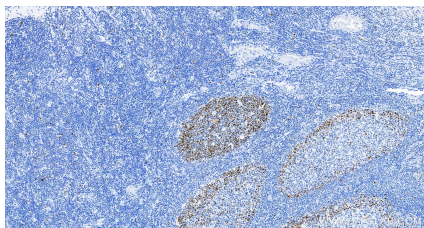
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

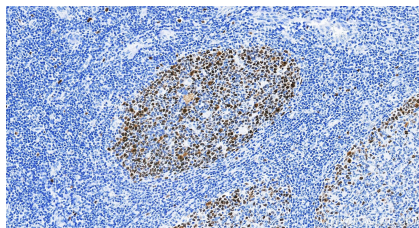
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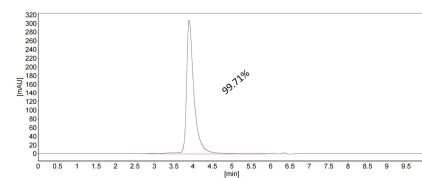
Selected Validation Data



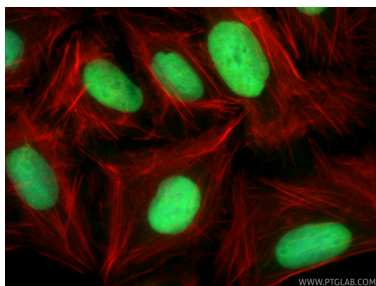
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82738-10-RR (TOP2A-Specific antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82738-10-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82738-10-RR (TOP2A-Specific antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82738-10-PBS in a different storage buffer formulation.



The purity of Human TOP2A-Specific Recombinant monoclonal antibody (Cat. No. 82738-10-RR) was greater than 95% as determined by SEC-HPLC.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using TOP2A-Specific antibody (82738-10-RR, Clone: 253104A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 82738-10-PBS in a different storage buffer formulation.