

For Research Use Only

TOP2A-Specific Recombinant monoclonal antibody

Catalog Number: 82738-10-RR



Basic Information

Catalog Number:

82738-10-RR

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

Recommended Dilutions:

IHC: 1:500-1:2000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human tonsillitis tissue,

IF/ICC : U2OS cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

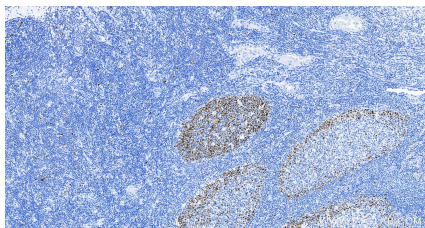
T: 4006900926

E: Proteintech-CN@ptglab.com

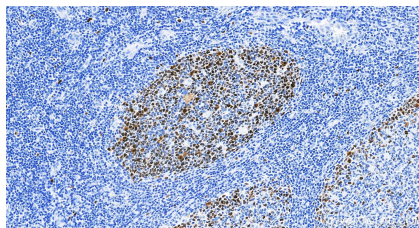
W: ptgcn.com

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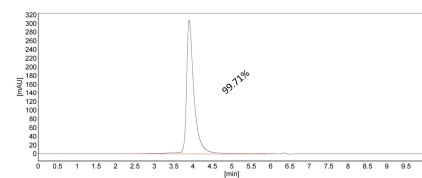
Selected Validation Data



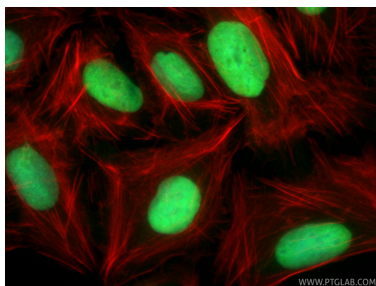
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82738-10-RR (TOP2A-Specific antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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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).