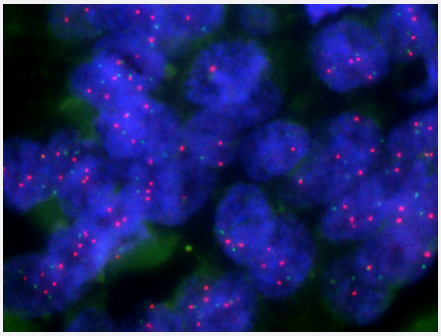
Sm Size

TOP1/CEN20p FISH Probe

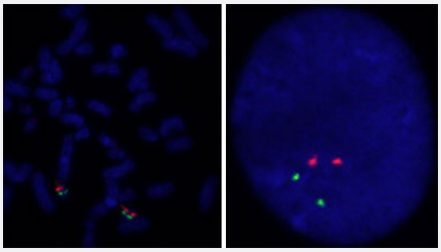
Catalog # FG0094 Size 200 uL, 100 uL

Applications



Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human colon cancer (FFPE) stained with TOP1/CEN20p FISH Probe. Human colon cancer showed no TOP1 gene split.



Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Probe 1	**Name:** TOP1 **Size:** Approximately 420kb **Fluorophore:** TexRed **Location:** 20q12
Probe 2	**Name:** CEN20p **Size:** Approximately 400kb **Fluorophore:** FITC **Location:** 20p11.21
Probe Gap	The gap between two probes is approximately 17100 kb.
Origin	Human
Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  Human colon cancer (FFPE) stained with TOP1/CEN20p FISH Probe. Human colon cancer showed no TOP1 gene split.

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — TOP1

Entrez GeneID	7150
Gene Name	TOP1
Gene Alias	TOPI
Gene Description	topoisomerase (DNA) I
Omim ID	126420
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state s of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a sing le strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromo somes 1 and 22. [provided by RefSeq
Other Designations	DNA topoisomerase I|OTTHUMP00000031713|type I DNA topoisomerase

Disease

- Neoplasms
- Neutropenia

Copyright © 2023 Abnova Corporation. All Rights Reserved.