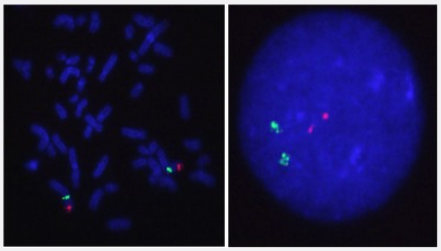
MYCN/CEN2p FISH Probe

Catalog # FG0048 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome.

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Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** MYCN **Size:** Approximately 270kb **Fluorophore:** Texas Red **Location:** 2p24.1
Probe 2	**Name:** CEN2p **Size:** Approximately 670kb **Fluorophore:** FITC **Location:** 2p11.2
Probe Gap	The gap between two probes is approximately 69,000 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 Product	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome. Hybridization position of the probes on the chromosome.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — MYCN

Entrez GeneID	4613
Gene Name	MYCN
Gene Alias	MODED, N-myc, NMYC, ODED, bHLHe37
Gene Description	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)
Omim ID	164280 164840 602585
Gene Ontology	Hyperlink

Gene Summary	This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas. [provided by RefSeq
Other Designations	N-myc proto-oncogene protein|neuroblastoma MYC oncogene|neuroblastoma-derived v-myc avian myelocytomatosis viral related oncogene|oncogene NMYC|pp65/67|v-myc avian myelocytomatosis viral related oncogene, neuroblastoma derived|v-myc myelocytomatosis viral

Disease

- Kidney Neoplasms
- Wilms Tumor