

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. (<u>Technology</u>).
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

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Product Information

Origin	Human
Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <u>KA2375</u> or <u>KA2691</u>) 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 I 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.
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Applications

• Fluorescent In Situ Hybridization (Cell)

Protocol Download

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

🍟 Abnova	Product Information
Gene Summary	This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bH LH) 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 avia n myelocytomatosis viral related oncogene oncogene NMYC pp65/67 v-myc avian myelocytomato sis viral related oncogene, neuroblastoma derived v-myc myelocytomatosis viral

Disease

- Kidney Neoplasms
- Wilms Tumor