

MYCN/CCP2 FISH Probe Kit

Introduction

The MYCN/CCP2 FISH Probe Kit is designed to detect the human MYCN gene located on chromosome band 2p24.3, along with the number of chromosome 2 copies per cell. Amplification and abnormal expression of the MYCN gene – also known as NMYC, ODED, MODED, N-myc, bHLHe37 – have been observed in neuroblastoma, medulloblastoma, rhabdomyosarcoma and various other tumor types.

Intended Use

To measure the copy number of the human *MYCN* gene located on chromosome band 2p24.3

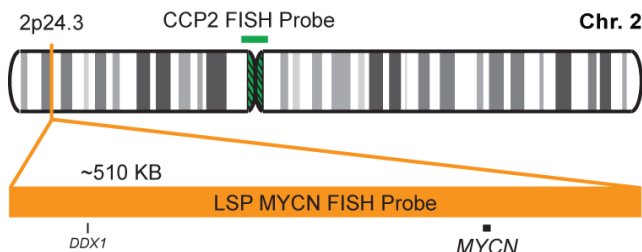
Cont.

LSP MYCN FISH Probe
CCP2 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP MYCN FISH Probe covers a chromosomal region which includes the entire *MYCN* gene. CCP2 FISH Probe, derived from chromosome 2-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 2 copies per cell.

Cat. No.

CT-PAC072-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

- 1) Pfister S, et al. *J Clin Oncol.* 27(10):1627-36 (2009).
- 2) Bell E, et al. *Cancer Lett.* 293(2):144-57 (2010).
- 3) Swartling FJ, et al. *Genes Dev.* 24(10):1059-72 (2010).
- 4) Williams RD, et al. *Genes Chromosomes Cancer.* 50(12):982-95 (2011).
- 5) Korshunov A, et al. *Acta Neuropathol.* 123(4):515-27 (2012).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

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