

BCOR-CCNB3 Dual Fusion/Translocation FISH Probe Kit

Introduction

The BCOR-CCNB3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human BCOR and CCNB3 gene located on chromosome bands Xp11.4 and Xp11.22, respectively. Fusions of the BCOR gene - also known as MAA2, ANOP2 or MCOPS2 - with the CCNB3 gene - also known as CYCB3 - have been found in bone sarcomas and other malignancies.

Intended Use

To detect rearrangements involving the human *BCOR* and *CCNB3* gene located on chromosome bands Xp11.4 and Xp11.22, respectively.

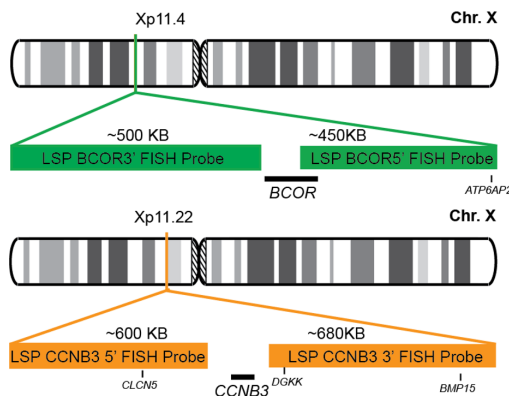
Cont.

Color

LSP BCOR 5'-3' FISH Probe
LSP CCNB3 5'-3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP BCOR 5'-3' FISH probe covers the 5' and 3' ends of the *BCOR* gene as well as adjacent genomic sequences. LSP CCNB3 5'-3' probe covers the upstream and the downstream sequences adjacent to the 5' (start) and 3' (end) of the *CCNB3* gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.

Volume

CT-PAC235-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Yamamoto Y., et al. *Blood* 116(20):4274-83 (2010).
- 2) Pierron G., et al. *Nat Genet.* 44(4):461-6 (2012).
- 3) Kondo Y., et al. *J. Hum. Genet.* 57(3):197-201 (2012).
- 4) Peters, TL, et al. *Mod. Pathol.* 28(4):575-586 (2015).
- 5) Kao YC, et al. *Am. J. Surg. Pathol.* 40(12):1670-1678 (2016).

* 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.

DCN032

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