

PPARG Break Apart FISH Probe Kit

Introduction

The PPARG Break Apart FISH Probe Kit is designed to detect rearrangements in the human PPARG gene located on chromosome band 3p25.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other PPARG aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the PPARG gene – also known as PPARGgamma, PPARG2, PPARG1, NR1C3, GLM1 or CIMT1 – have been observed in breast cancer, prostate cancer, colorectal cancer, lung cancer and other solid and hematological malignancies.

Intended Use

To detect rearrangements in the human *PPARG* gene located on chromosome band 3p25.2.

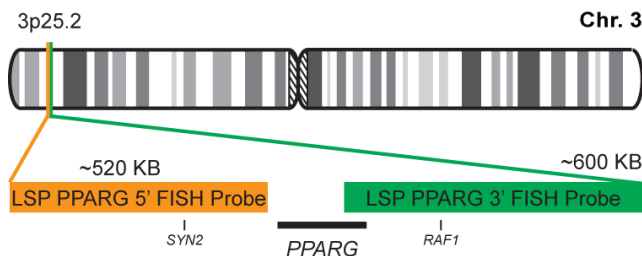
Cont.

Color

LSP PPARG 5' FISH Probe
LSP PPARG 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP PPARG 5' FISH Probe covers sequences adjacent to the 5' (start) portion of the *PPARG* gene. LSP PPARG 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *PPARG* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC146-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

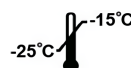
- 1) Kiewer SA, et al. *Cell*. 83(5):813-9 (1995).
- 2) Mueller E, et al. *Proc Natl Acad Sci U S A*. 97(20):10990-5 (2000).
- 3) Heaney AP, et al. *Nat Med*. 8(11):1281-7 (2002).
- 4) Lehrke M & Lazar MA. *Cell*. 123(6):993-9 (2005).
- 5) Fujisawa T, et al. *J Pharmacol Sci*. 106(4):627-38 (2008).

* 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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