

RELA Break Apart FISH Probe Kit

Introduction

The RELA Break Apart FISH Probe Kit is designed to detect rearrangements in the human *RELA* proto-oncogene located on chromosome band 11q13.1. 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 *RELA* aberrations such as deletions or amplifications. Rearrangements and altered expression of this gene – also known as *p65*, *CMCU*, *NFKB3* or *AIF3BL3* – have been observed in a number of lymphoid tumors and some solid tissue carcinomas.

Intended Use

To detect rearrangements the human *RELA* gene located on chromosome band 11q13.1.

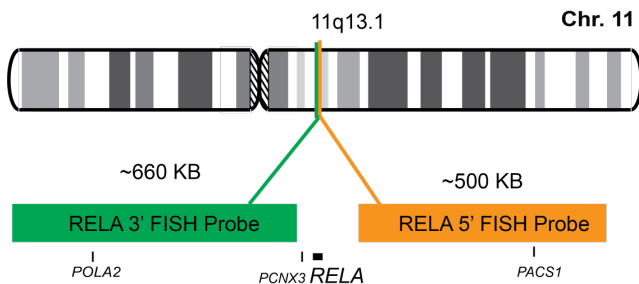
Cont.

LSP RELA 5' FISH Probe
LSP RELA 3' FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



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

Not to Scale

Cat. No.

CT-PAC397-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Ghosh S, et al. Annu. Rev. Immunol. 16:225-60 (1998).
2) Rayet B & Gelinac C, Oncogene 18(49):6938-47 (1999).
3) Van Den Berghe H, et al. Cancer 44(1):188-95 (1979).
4) Fukuoka K, et al. Acta Neuropathol. Commun. 6(1):134 (2018).
5) Pages M, et al. Brain Pathol. 29(3):325-35 (2019).

* 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.

