

KIAA1549 Break Apart FISH Probe Kit

Introduction

The KIAA1549 Break Apart FISH Probe Kit is designed to detect rearrangements in the human KIAA1549 locus mapping to chromosome band 7q34. 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 KIAA1549 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the KIAA1549 gene – also known as RP86 – have been observed in astrocytomas and other solid tumor types.

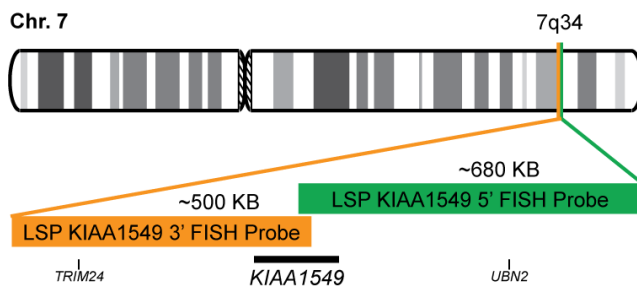
Intended Use

To detect rearrangements in the human KIAA1549 locus mapping to chromosome band 7q34.

Cont.	Color
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LSP KIAA1549 5' FISH Probe	CytoGreen
LSP KIAA1549 3' FISH Probe	CytoOrange

Probe Design



LSP KIAA1549 5' FISH Probe covers the 5' (start) portion of the KIAA1549 gene and some adjacent genomic sequences. LSP KIAA1549 3' FISH Probe covers the center and the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the KIAA1549 gene in which variable breakpoints have been observed.

Not to Scale

Cat. No.	Volume
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CT-PAC336-10-GO	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Döhner H, et al. *N Engl J Med.* 343(26):1910-1916 (2000).
 2) Dewald GW, et al. *Br J Haematol.* 121:287-295 (2003).
 3) Hallek M, et al. *Blood* 111(12): 5446-5456 (2008).
 4) Shanafelt TD. *Hematology Am Soc Hematol Educ Program* 421-429 (2009).
 5) Van Dyke DL, et al. *Br J Haematol.* 173(1):105-113 (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.