

STAT6 Break Apart FISH Probe Kit

Introduction

The STAT6 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *STAT6* gene mapping to chromosome band 12q13.3. 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 *STAT6* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *STAT6* gene – also known as *STAT6B*, *STAT6C*, *D12S1644* or *IL-4-STAT* – have been observed in liposarcoma, solitary fibrous tumors and other mesenchymal neoplasms.

Intended Use

To detect rearrangements in the human *STAT6* locus situated on chromosome band 12q13.3.

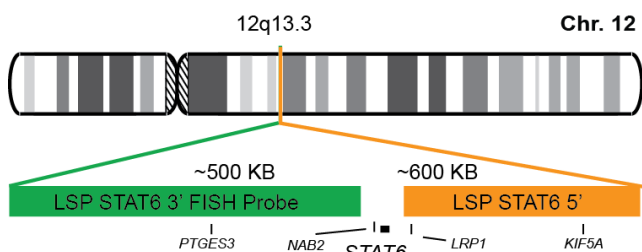
Cont.

Color

LSP STAT6 5' FISH Probe
LSP STAT6 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP STAT6 5' FISH Probe covers a genomic area upstream of the 5' (start) portion of the *STAT6* locus and some adjacent genomic sequences. LSP STAT6 3' FISH Probe covers sequences adjacent to the 3' (end) of the gene. The two probes are flanking sequences across the *STAT6* locus in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC225-10-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) Doyle, LA, et al. *Mod. Pathol.* 27(9):1231-7 (2014).
- 2) Mohajeri, A, et al. *Genes Chromosomes Cancer* 52(10):873-86 (2013).
- 3) Lee, JC, et al. *Mod. Pathol.* 29(9):1070-82 (2016).
- 4) Galateau-Salle, F, et al. *J. Thorac. Oncol.* 11(2):142-54 (2016).
- 5) Kouba, E, et al. *J. Clin. Pathol.* 70(6):508-514 (2017).

* 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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