

USP6 Break Apart FISH Probe Kit

Introduction

The USP6 Break Apart FISH Probe Kit is designed to detect rearrangements in the human USP6 gene located on chromosome band 17p13.2. 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 USP6 aberrations such as deletions or amplifications. Abnormal expression of the USP6 gene – also known as HRP1, TRE2, TRE17, Tre-2, TRESMCR or USP6-short – has been observed in bone cancer and other tumor types.

Intended Use

To detect rearrangements in the human *USP6* gene located on chromosome band 17p13.2.

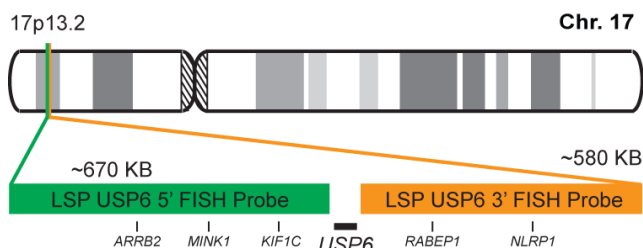
Cont.

Color

LSP USP6 5' FISH Probe
LSP USP6 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP USP6 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *USP6* gene. LSP USP6 3' FISH Probe covers some sequence downstream of the 3' end of the gene. The two probes are flanking sequences across the *USP6* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC060-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- Huebner K, et al. *Oncogene*. 3(4):449-55 (1988).
- Nakamura T, et al. *Oncogene Res*. 2(4):357-70 (1988).
- Paulding CA, et al. *Proc Natl Acad Sci U S A*. 100(5):2507-11 (2003).
- Oliveira AM, et al. *Am J Pathol*. 165(5):1773-80 (2004).
- Oliveira AM, et al. *Oncogene*. 24(21):3419-26 (2005).

* 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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