

WWTR1 Break Apart FISH Probe Kit

Introduction

The WWTR1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *WWTR1* gene mapping to chromosome band 3q25.1. 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 *WWTR1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *WWTR1* gene – also known as TAZ – have been observed in lung, colorectal, breast and vascular tumors and other conditions.

Intended Use

To detect rearrangements in the human *WWTR1* gene mapping to chromosome band 3q25.1.

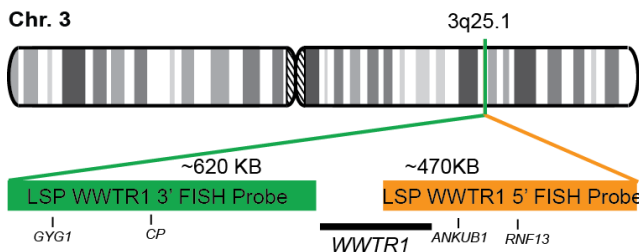
Cont.

LSP WWTR1 5' FISH Probe
LSP WWTR1 3' FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP WWTR1 5' FISH Probe covers a 5' portion of the *WWTR1* gene as well as some sequences upstream of the 5' end of the gene. LSP WWTR1 3' FISH Probe covers genomic sequences downstream of the 3' portion of the gene. The two probes are flanking a region of the *WWTR1* locus in which variable breakpoints have been observed.

Not to Scale

Cat. No.

CT-PAC296-10-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) Cordenonsi M, et al. *Cell*. 147(4):759-72 (2011).
2) Kim J, et al. *Nat Commun*. 6:6781 (2015).
3) Feng J, et al. *Oncogene*. 36(42):5829-5839 (2017).
4) Ma J, et al. *Cell Death Dis*. 8(1):e2539 (2017).
5) Lo Sardo F, et al. *Carcinogenesis*. 38(1):64-75 (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.