

ETV4 Break Apart FISH Probe Kit

Introduction

The ETV4 Break Apart FISH Probe Kit is designed to detect rearrangements in the human ETV4 gene located on chromosome band 17q21.31. 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 ETV4 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the ETV4 gene – also known as E1AF, PEA3, E1A-F or PEAS3 – have been observed in melanoma, breast, lung, prostate and other cancers.

Intended Use

To detect rearrangements in the human *ETV4* gene located on chromosome band 17q21.31.

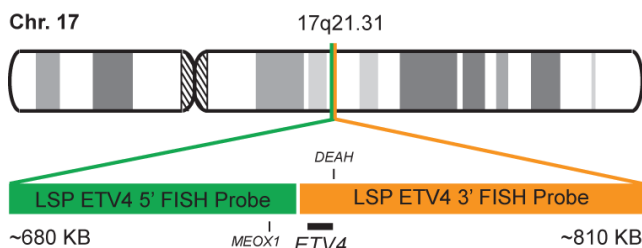
Cont.

Color

LSP ETV4 5' FISH Probe
LSP ETV4 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP ETV4 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *ETV4* gene. LSP ETV4 3' FISH Probe covers the entire *ETV4* gene and sequences downstream of 3' end of the gene. The two probes are flanking a region around the *ETV4* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC153-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Shindoh M, et al. *Cancer Lett.* 216(1):1-8 (2004).
2) Tomlins SA, et al. *Science.* 310(5748):644-8 (2005).
3) Tomlins SA, et al. *Nature.* 448(7153):595-9 (2007).
4) Jané-Valbuena J, et al. *Cancer Res.* 70(5):2075-84 (2010).
5) Oh S, et al. *Biochim Biophys Acta.* 1826(1):1-12 (2012).

* 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.