

YWHAE Break Apart FISH Probe Kit

Introduction

The YWHAE Break Apart FISH Probe Kit is designed to detect rearrangements in the human YWHAE gene located on chromosome band 17p13.3. 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 YWHAE aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the YWHAE gene – also known as MDS, HEL2, MDCR, KCIP-1 or 14-3-3E – have been observed in lung adenocarcinoma, endometrial stromal sarcoma and other tumor types.

Intended Use

To detect rearrangements in the human YWHAE gene located on chromosome band 17p13.3.

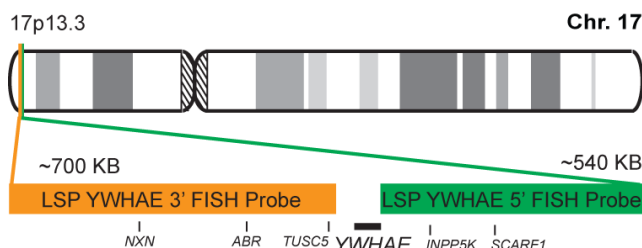
Cont.

LSP YWHAE 5' FISH Probe
LSP YWHAE 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP YWHAE 5' FISH Probe covers some sequences upstream of the 5' (start) portion of the YWHAE gene. LSP YWHAE 3' FISH Probe covers some sequences downstream (3' end) of the gene. The two probes are flanking sequences across the YWHAE gene in which variable breakpoints have been observed.

Cat. No.

CT-PAC063-10-GO

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) Hyon C, et al. *Eur J Med Genet.* 54(3):287-91 (2011).
2) O'Meara E, et al. *J Pathol.* 227(1):72-80 (2012).
3) Capra V, et al. *BMC Med Genet.* 13:93 (2012).
4) Croce S, et al. *Mod Pathol.* 26(10):1390-400 (2013).
5) Dewaele B, et al. *Int J Cancer.* 134(5):1112-22 (2014).

* 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.