

# YWHAE Break Apart FISH Probe Kit

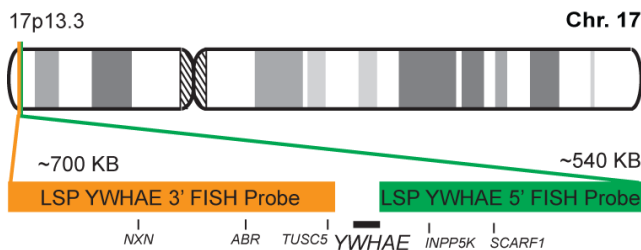
## Introduction

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 <i>YWHAE</i> gene located on chromosome band 17p13.3.

Cont.	Color
LSP YWHAE 5' FISH Probe LSP YWHAE 3' FISH Probe	CytoGreen CytoOrange

## Probe Design



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.

Not to Scale

Cat. No.	Volume
CT-PAC063-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2OG*	<u>Abnormal Pattern</u> 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).



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\* 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.