

# ZBTB16-RARA Fusion/Translocation FISH Probe Kit

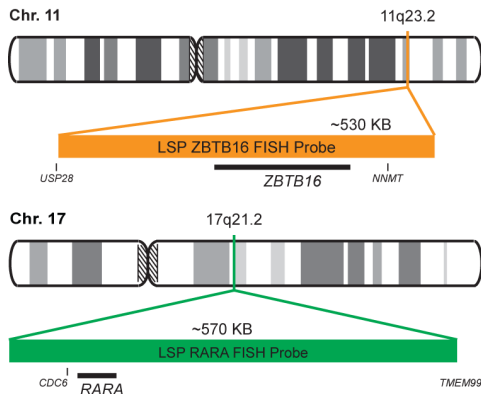
## Introduction

The ZBTB16-RARA Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *ZBTB16* and *RARA* genes located on chromosome bands 11q23.3 and 17q21.2, respectively. Rearrangements between the two genes, the *ZBTB16* gene – also known as *PLZF* or *ZNF145* – and the *RARA* gene – also called *RAR* or *NR1B1*, have been observed in acute promyelocytic leukemia (APL, the M3 subtype of acute myelogenous leukemia) and other malignancies.

Intended Use
To detect rearrangements involving the human <i>ZBTB16</i> and <i>RARA</i> genes located on chromosome bands 11q23.2 and 17q21.2, respectively.

Cont.	Color
LSP ZBTB16 FISH Probe LSP RARA FISH Probe	CytoOrange CytoGreen

## Probe Design



LSP ZBTB16 FISH Probe covers a chromosomal region which includes the entire *ZBTB16* gene. LSP RARA FISH Probe covers a chromosomal region which includes the entire *RARA* gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC192-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G*	<u>Abnormal Patterns</u> Other Patterns

\*Overlapping orange and green signals can appear as yellow.

- 1) Najfeld V, et al. *Cancer Genet Cytogenet.* 43(1):103-8 (1989).
- 2) Chen SJ, et al. *J Clin Invest.* 91(5):2260-7 (1993).
- 3) Licht JD, et al. *Oncogene.* 12(2):323-36 (1996).
- 4) Pandolfi PP. *Haematologica.* ;81(5):472-82 (1996).
- 5) Chen Z, et al. *EMBO J.* 12(3):1161-7 (1993).



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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.