CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CREBBP Break Apart FISH Probe Kit

Introduction

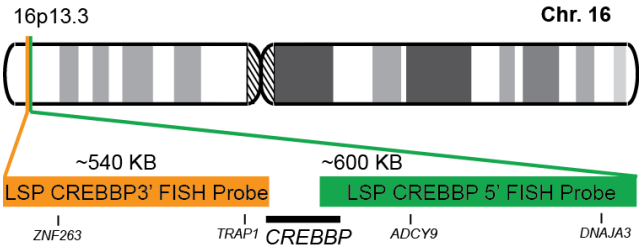
The CREBBP Break Apart FISH Probe Kit is designed to detect rearrangements in the human CREBBP gene located on chromosome band 16p13.3. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other CREBBP aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CREBBP gene – also known as CBP, RSTS, KAT3A or RSTS1 – have been observed in acute nonlymphocytic leukemia (AML) and other malignancies and in some developmental disorders.

Intended Use

To detect rearrangements in the human *CREBBP* gene located on chromosome band 16p13.3.

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

Probe Design



Not to Scale

LSP CREBBP 5' FISH Probe covers the 5' (start) portion of the *CREBBP* gene and some adjacent genomic sequences. LSP CREBBP 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *CREBBP* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC340-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Eckner, R, *Biol. Chem.* 377(11):685-8 (1996).
2) Borrow, J, et al. *Nat. Genet.* 14(1):33-41 (1996)
3) Sobulo, OM, *Proc Natl. Acad. Sci. USA* 94(16):8732-7 (11997).
4) Taki, T, et al. *Blood* 89(11)3945-50 (1997).
5) Wong, KF, et al. *Hum. Pathol.* 39(11):1702-7 (2008).

-25°C -15°C CE IVD

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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.