

CAMTA1 Break Apart FISH Probe Kit

Introduction

The CAMTA1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human CAMTA1 gene located on chromosome band 1p36.31. 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 CAMTA1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CAMTA1 gene – also known as KIAA0833 or CANPMR – have been observed in neuroblastoma, glioma, colon cancer and other malignancies.

Intended Use

To detect rearrangements in the human CAMTA1 gene located on chromosome band 1p36.31.

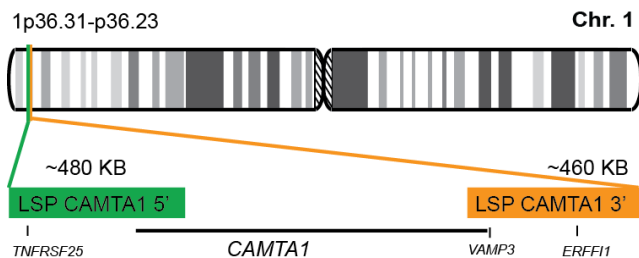
Cont.

LSP CAMTA1 5' FISH Probe
LSP CAMTA1 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



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

Not to Scale

Cat. No.

CT-PAC317-10-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) Finkler, A, et al. *FEBS Lett.* 581(21):3893-8 (2007).
2) Bamashina, V, et al. *Clin. Cancer Res.* 11(3):1119-28 (2005).
3) Heinrich, KO, et al. *Eur. J. Cancer* 43(3):607-16 (2007).
4) Ichimura, K., et al. *Oncogene* 27(14):2097-108 (2008).
5) Kim, MY, et al. *Gastroenterology* 131(6):1913-24 (2006).

* 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.