

CHD5/S100A10 FISH Probe Kit

Introduction

The CHD5/S100A10 FISH Probe Kit is designed to detect rearrangements involving the human CHD5 and S100A10 genes located on chromosome bands 1p36.31 and 1q21.3, respectively. Abnormal expression of the CHD5 gene – also known as CHD-5, DKFZp434N231 or KIAA0444 - has been observed in neuroblastoma, gliomas, melanoma, ovarian, colorectal, gastric, prostate, breast, lung and other cancers. The S100A10 gene – also called 42C, P11, p10, GP11, ANX2L, CAL1L, CLP11, Ca[1] or ANX2LG – has been shown to be over-expressed in various cancers and some depressive disorders.

Intended Use

To measure the copy number of the human *CHD5* and *S100A10* genes located on chromosome bands 1p36.31 and 1q21.3, respectively.

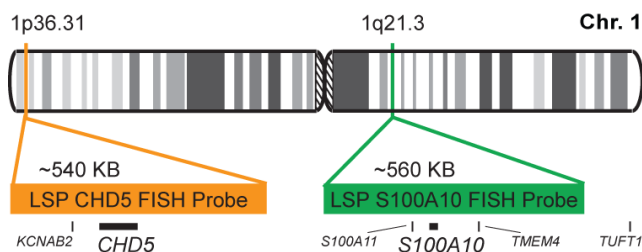
Cont.

Color

LSP CHD5 FISH Probe
LSP S100A10 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP CHD5 FISH Probe covers a chromosomal region which includes the entire *CHD5* gene. LSP S100A10 FISH Probe covers a chromosomal region which includes the entire *S100A10* gene.

Cat. No.

Volume

CT-PAC168-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Thompson PM, et al. *Oncogene*. 22(7):1002-11 (2003).
- 2) Fujita T, et al. *J Natl Cancer Inst*. 100(13):940-9 (2008).
- 3) Robbins CM, et al. *Genome Res*. 21(1):47-55 (2011).
- 4) Wong RR, et al. *Gynecol Obstet Invest*. 72(3):203-7 (2011).
- 5) Koyama H, et al. *Clin Cancer Res*. 18(6):1588-97 (2012).

* 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.

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