

PAFAH1B1/CCP17 FISH Probe Kit

Introduction

The PAFAH1B1/CCP17 FISH Probe Kit is designed to detect the human PAFAH1B1 gene located on chromosome band 17p13.3, along with the number of chromosome 17 copies per cell. Abnormal expression of this gene – also known as MDS, LIS1, LIS2, MDCR, NudF, PAFAH – has been observed in small-cell lung carcinoma and several other solid tumor types. Loss of the gene is observed in Miller-Dieker Syndrome patients.

Intended Use

To measure the copy number of the human *PAFAH1B1* gene located on chromosome band 17p13.3.

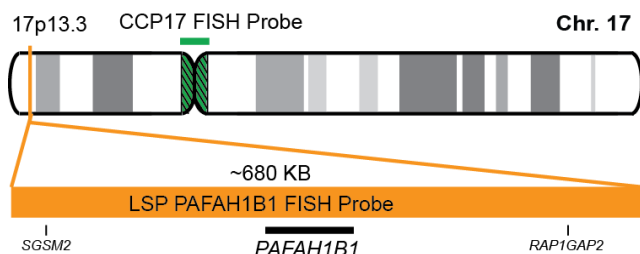
Cont.

Color

LSP PAFAH1B1 FISH Probe
CCP17 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP PAFAH1B1 FISH Probe covers a chromosomal region, which includes the entire *PAFAH1B1* gene along with some upstream and downstream genomic sequences. CCP17 FISH Probe, derived from chromosome 17 specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 17 copies per cell.

Cat. No.

Volume

CT-PAC193-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

1. Lo FY, et al. Lung Cancer 77(3):585-92 (2012).
2. Blazewski SM, et al. Front. Genet. 9:80 (2018).
3. Emrick LT, et al., Genet. Med. 21(7):1652-1656 (2019).
4. Park CH, et al. Gene 537(2):343-7 (2014).
5. Hyon C, et al. Eur. J. Med. Genet. 54(3):287-91 (2011).

* 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.

DCN032

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