

NCOA2 Break Apart FISH Probe Kit

Introduction

The NCOA2 Break Apart FISH Probe Kit is designed to detect rearrangements in the human NCOA2 gene located on chromosome band 8q13.3. 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 NCOA2 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the NCOA2 gene – also known as SRC2, TIF2, GRIP1, KAT13C, NCoA-2 or bHLHe75 – have been observed in cancers such as endometrial cancer, intestinal cancer, and pleural cancer, and other malignancies.

Intended Use

To detect rearrangements in the human NCOA2 gene located on chromosome band 8q13.3.

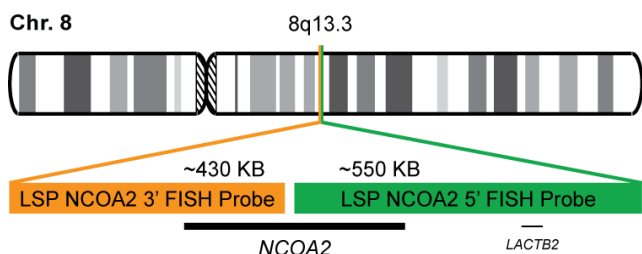
Cont.

Color

LSP NCOA2 5' FISH Probe
LSP NCOA2 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP NCOA2 5' FISH Probe covers the 5' (start) portion of the NCOA2 gene and some adjacent genomic sequences. LSP NCOA2 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the NCOA2 gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC464-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Fukuda Y, et al. Pathol Int. 64(5):237-42 (2014).
2) Panagopoulos I, et al. Oncol Rep. 32(1):40-4 (2014).
3) Mosquera JM, et al. Genes Chromosomes Cancer. 52(6):538-50 (2013).
4) Cohen JN, et al. Hum Pathol. 58:35-40 (2016).
5) Toki S, et al. Hum Pathol. 81:255-260 (2018).

* 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.