

KRAS/CCP12 FISH Probe Kit

Introduction

The KRAS/CCP12 FISH Probe Kit is designed to detect the human KRAS gene located on chromosome band 12p12.1, along with the number of chromosome 12 copies per cell. Abnormal expression or rearrangements of the KRAS gene – also known as K-RAS or c-Ki-ras 2 – has been observed in various tumor types such as pancreas, colon and rectum, lung, thyroid, prostate, kidney and others. Aberrations of the gene have also been spotted in acute non lymphocytic leukemia and myelodysplasia.

Intended Use

To measure the copy number of the human *KRAS* gene located on chromosome band 12p12.1.

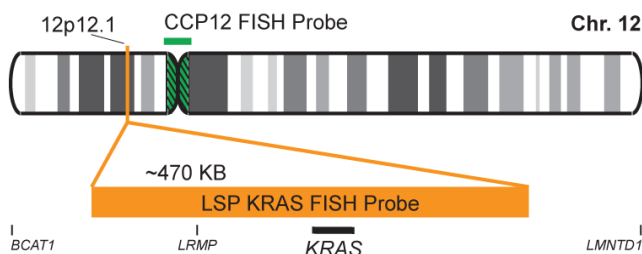
Cont.

Color

LSP KRAS FISH Probe
CCP12 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP KRAS FISH Probe covers a chromosomal region which includes the entire *KRAS* gene. CCP12 FISH Probe, derived from chromosome 12-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 12 copies per cell.

Cat. No.

Volume

CT-PAC138-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Bos JL. *Cancer Res.* 49(17):4682-9 (1989).
- 2) Enomoto T, et al. *Am J Pathol.* 139(4):777-85 (1991).
- 3) Sugimura T, et al. *Environ Health Perspect.* 98:5-12 (1992).
- 4) Ihalaainen J, et al. *J Clin Pathol.* 47(12):1082-4 (1994).
- 5) Caduff RF, et al. *Am J Pathol.* 146(1):182-8 (1995).

* 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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