

# KRAS/CCP12 FISH Probe Kit

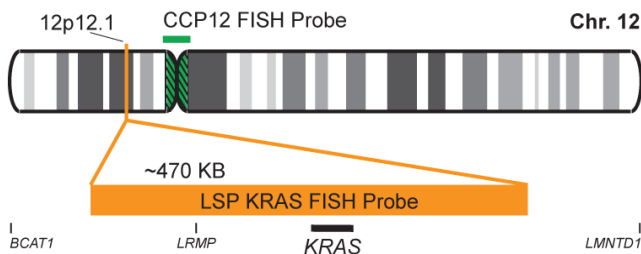
## Introduction

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 <i>KRAS</i> gene located on chromosome band 12p12.1.

Cont.	Color
LSP KRAS FISH Probe CCP12 FISH Probe	CytoOrange CytoGreen

## Probe Design



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.

Not to Scale

Cat. No.	Volume
CT-PAC138-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G	<u>Abnormal Patterns</u> 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) Ihalainen J, et al. *J Clin Pathol.* 47(12):1082-4 (1994).
- 5) Caduff RF, et al. *Am J Pathol.* 146(1):182-8 (1995).



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\* 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.