

RB1/RASA3 FISH Probe Kit

Introduction

The RB1/RASA3 FISH Probe Kit is designed to detect the human RB1 gene, located on chromosomes band 13q14.2, and the RASA3 gene on chromosome band 13q34. Abnormal expression of the RB1 gene has been observed in retinoblastoma, soft tissue and bone sarcomas and various other cancers. Amplification and deregulation of RASA3 has been found in breast cancer and other tumor types.

Intended Use

To detect the human *RB1* gene, located on chromosomes band 13q14.2, and the *RASA3* gene on chromosome band 13q34.

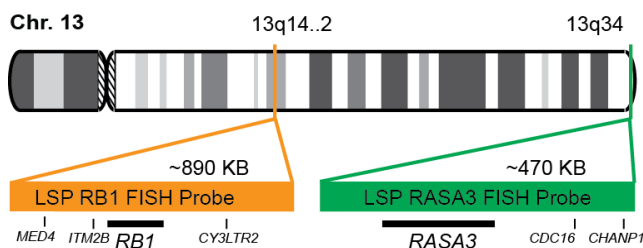
Cont.

Color

LSP RB1 FISH Probe
LSP RASA3 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP RB1 FISH Probe covers a chromosomal region which includes the entire *RB1* gene. LSP RASA3 FISH Probe, covering a chromosomal region around *RASA3* gene located at 13q34, is designed to serve as a control to determine the number of chromosome 13q arm copies per cell.

Cat. No.

Volume

CT-PAC291-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

- 1) Toguchida J, et al. *Genomics*. 17(3):535-43 (1993).
- 2) Weinberg RA. *Cell*. 81(3):323-30 (1995).
- 3) Taya Y. *Trends Biochem Sci*. 22(1):14-7 (1997).
- 4) Tsimberidou AM, et al. *Cancer*. 115(2):373-80 (2009).
- 5) Caraway NP, et al. *Cancer*. 2008 Oct 25;114(5):315-22 (2008).

* 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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