

# RB1/CCP15 FISH Probe Kit

## Introduction

The RB1/CCP15 FISH Probe Kit is designed to detect the human *RB1* gene located on chromosome band 13q14.2, along with the number of chromosome 15 copies per cell. Abnormal expression of the *RB1* gene – also known as *RB*, *pRb*, *OSRC*, *pp110*, *p105-Rb*, *PPP1R130* or *p110-RB1* – and aneuploidy of the chromosome 15 have been observed in retinoblastoma, sarcomas and various other tumor types.

## Intended Use

To detect the human *RB1* gene located on chromosome band 13q14.2.

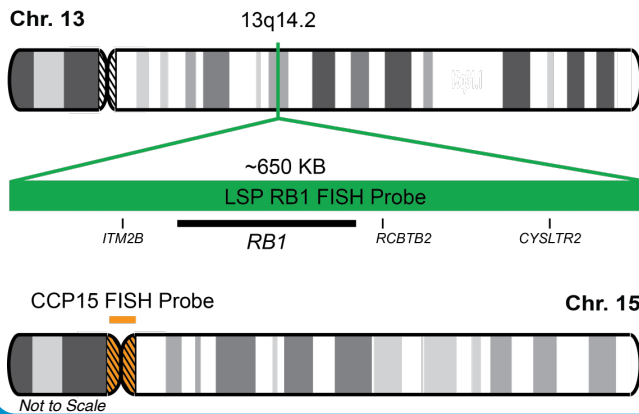
## Cont.

## Color

LSP RB1 FISH Probe  
CCP15 FISH Probe

CytoGreen  
CytoOrange

## Probe Design



LSP RB1 FISH Probe covers a chromosomal region which includes the entire *RB1* gene. CCP15 FISH Probe, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

## Cat. No.

## Volume

CT-PAC391-10-GO

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

202G

### Abnormal Patterns

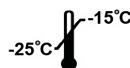
Other Patterns

- 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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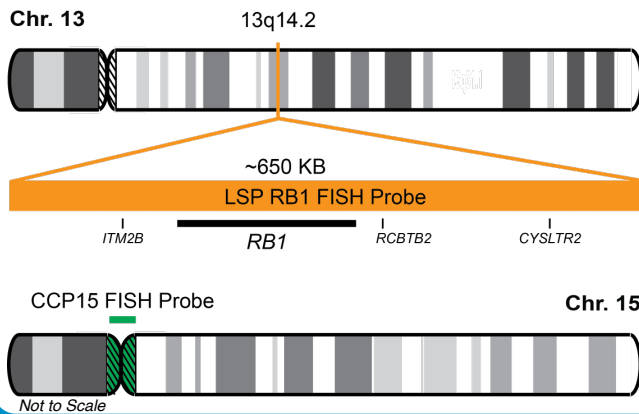
## Cont.

LSP RB1 FISH Probe  
CCP15 FISH Probe

## Color

CytoOrange  
CytoGreen

## Probe Design



LSP RB1 FISH Probe covers a chromosomal region which includes the entire *RB1* gene. CCP15 FISH Probe, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

## Cat. No.

CT-PAC391-10-OG

## Volume

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

2O2G

### Abnormal Patterns

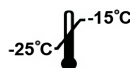
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