

## RPN1/CCP3 FISH Probe Kit

### Introduction

The RPN1/CCP3 FISH Probe Kit is designed to detect the human RPN1 gene located on chromosome band 3q21.3, along with the number of chromosome 3 copies per cell. Abnormalities in RPN1 – also known as RBPH1 or OST1 – have been observed in acute myeloid leukemias (AML), prostate tumors and other malignancies.

### Intended Use

To measure the copy number of the human *RPN1* gene located on chromosome band 3q21.3.

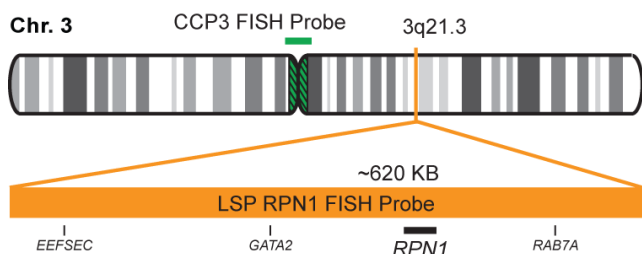
### Cont.

LSP RPN1 FISH Probe  
CCP3 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP RPN1 FISH Probe covers a chromosomal region which includes the entire *RPN1* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

### Cat. No.

CT-PAC149-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

Other Patterns

- 1) Pekarsky Y, et al. *Cancer Res.* 57(18):3914-9 (1997).
- 2) O'Connor C. *Nature Education.* 1(1):171 (2008).
- 3) Mark HF, et al. *Exp Mol Pathol.* 81(3):217-23 (2006).
- 4) Shearer BM, et al. *Am J Hematol.* 85(8):569-74 (2010).
- 5) De Braekeleer E, et al. *Anticancer Res.* 31(10):3441-8 (2011).

\* 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.

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