

## ERBB3/CCP12 FISH Probe Kit

### Introduction

The ERBB3/CCP12 FISH Probe Kit is designed to detect the human ERBB3 gene located on chromosome band 12q13.2, along with the number of chromosome 12 copies per cell. Abnormal expression of the ERBB3 gene – also known as HER3, LCCS2, ErbB-3, c-erbB3, erbB3-S, MDA-BF-1, c-erbB-3, p180-ErbB3, p45-sErbB3 or p85-sErbB3 – has been observed in breast, ovarian, prostate, pancreatic, lung and other cancers, and other conditions.

### Intended Use

To measure the copy number of the human *ERBB3* gene located on chromosome band 12q13.2.

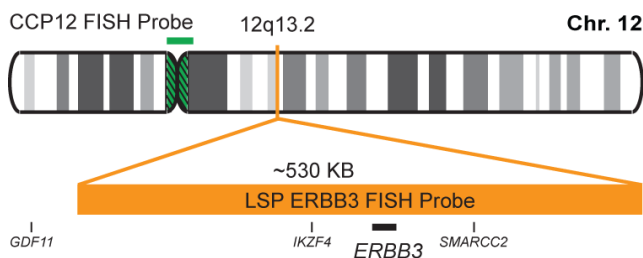
### Cont.

### Color

LSP ERBB3 FISH Probe  
CCP12 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



LSP ERBB3 FISH Probe covers a chromosomal region which includes the entire *ERBB3* 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-PAC029-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Liu B, et al. *Int J Cancer*. 120(9):1874-82 (2007).
- 2) Sergina NV, et al. *Nature*. 445(7126):437-41 (2007).
- 3) Wang H, et al. *PLoS One*. 5(7):e11789 (2010).
- 4) Balko JM, et al. *Proc Natl Acad Sci U S A*. 109(1):221-6 (2012).
- 5) Wilken JA, et al. *Future Med Chem*. 4(4):447-69 (2012).

\* 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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CytoTest Inc.  
1395 Piccard Drive, Suite 308  
Rockville, MD 20850, USA