

# ERBB3/CCP12 FISH Probe Kit

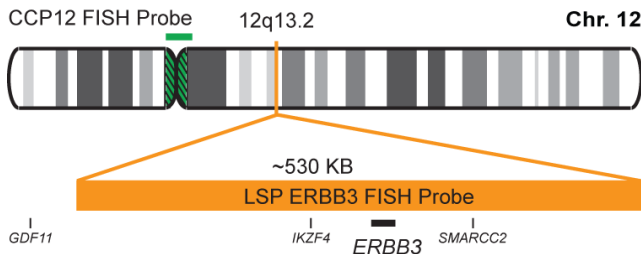
## Introduction

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 <i>ERBB3</i> 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	
<u>Normal Pattern</u> 2O + 2G	<u>Abnormal Pattern</u> 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).



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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.