

ERBB4/CCP2 FISH Probe Kit

Introduction

The ERBB4/CCP2 FISH Probe Kit is designed to detect the human *ERBB4* gene located on chromosome band 2q34, along with the number of chromosome 2 copies per cell. Abnormal expression of the *ERBB4* gene – also known as *HER4*, *ALS19* or *p180erbB4* – has been observed in a number of malignant tumors and other conditions.

Intended Use

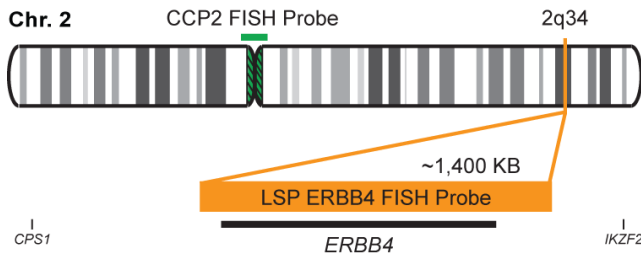
To measure the copy number of the human *ERBB4* gene located on chromosome band 2q34.

Cont.	Color
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LSP ERBB4 FISH Probe
CCP2 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP ERBB4 FISH Probe covers a chromosomal region which includes the entire *ERBB4* gene. CCP2 FISH Probe, derived from chromosome 2-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 2 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC030-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

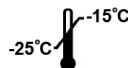
Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) Zimonjic DB, et al. *Oncogene*. 10(6):1235-7 (1995).
- 2) Fuchs IB, et al. *Breast Cancer Res Treat*. 82(1):23-8 (2003).
- 3) Sassen A, et al. *Breast Cancer Res*. 10(1):R2 (2008).
- 4) Roskoski R Jr. *Pharmacol Res*. 2014 Jan;79:34-74 (2014).
- 5) Liu W, et al. *Diagn Pathol*. 9:132 (2014).



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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.