

PTPRT/CCP20 FISH Probe Kit

Introduction

The PTPRT/CCP20 FISH Probe Kit is designed to detect the human PTPRT gene located on chromosome band 20q12, along with the number of chromosome 20 copies per cell. Normal function of the PTPRT gene product - also called RPTPrho, PTPrho or PTPp – is frequently lost in human colon cancers. The gene likely serves as a tumor suppressor gene in colorectal, lung, skin and stomach cancers. The locus is also deleted in some acute leukemias and other myeloproliferative disorders.

Intended Use

To measure the copy number of the human *PTPRT* gene located on chromosome band 20q12.

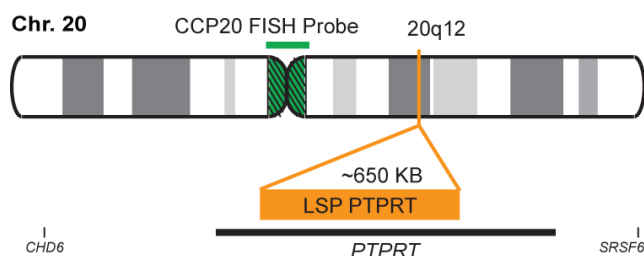
Cont.

Color

LSP PTPRT FISH Probe
CCP20 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP PTPRT FISH Probe covers a chromosomal region which includes a portion of *PTPRT* gene. CCP20 FISH Probe, derived from chromosome 20-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 20 copies per cell.

Cat. No.

Volume

CT-PAC148-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

102G, 2G,
or others

- 1) Scott A & Wang Z. *Biosci Rep.* 31(5):303-7 (2011).
- 2) Laczmanska I & Sasiadek MM. *Acta Biochim Pol.* 58(4):467-70 (2011).
- 3) Yu J, et al. *Mol Cancer Res.* 6(7):1106-13 (2008).
- 4) Wang Z, et al. *Science.* 304(5674):1164-6 (2004).
- 5) Ku M, et al. *Blood.* 124(21):5195 (2014)

* 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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