

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.

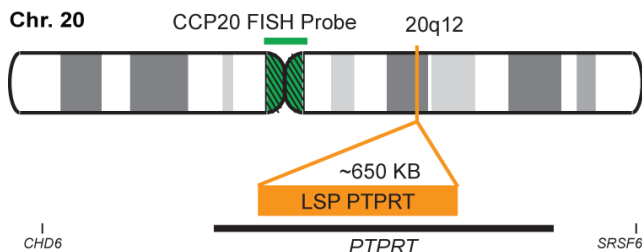
Intended Use

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

Cont.	Color
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LSP PTPRT FISH Probe	CytoOrange
CCP20 FISH Probe	CytoGreen

Probe Design



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.

Not to Scale

Cat. No.	Volume
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CT-PAC148-10-OG	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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20 + 2G	Other Patterns
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- 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)



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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.

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