

SDHB/CCP1 FISH Probe Kit

Introduction

The SDHB/CCP1 FISH Probe Kit is designed to detect the human *SDHB* gene located on chromosome band 1p36.13, along with the number of chromosome 1 copies per cell. Abnormal expression of the *SDHB* gene – also known as *IP*, *SDH*, *CWS2*, *PGL4*, *SDH1*, *SDH2* or *SDHIP* – has been observed in paragangliomas, pheochromocytoma and other conditions.

Intended Use

To measure the copy number of the human *SDHB* gene located on chromosome band 1p36.13.

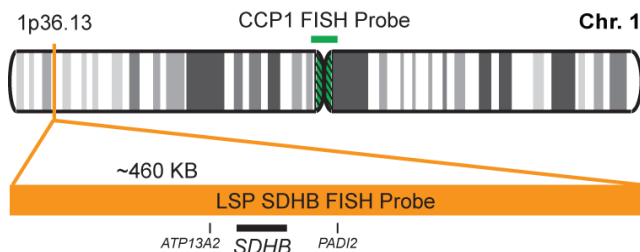
Cont.

LSP SDHB FISH Probe
CCP1 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP SDHB FISH Probe covers a chromosomal region which includes the entire *SDHB* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Cat. No.

CT-PAC023-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) Guo C, et al. *Curr Biol*. 17(8):700-5 (2007).
- 2) Leckschat S, et al. *Somat Cell Mol Genet*. 19(5):505-11 (1993).
- 3) Au HC, et al. *Gene*. 159(2):249-53 (1995).
- 4) Astuti D, et al. *Am J Hum Genet*. 69(1):49-54 (2001).
- 5) Baysal BE, et al. *J Med Genet*. 39(3):178-83 (2002).



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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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