

AXIN1/CCP16 FISH Probe Kit

Introduction

The AXIN1/CCP16 FISH Probe Kit is designed to detect the human AXIN1 gene located on chromosome band 16p13.3, along with the number of chromosome 16 copies per cell. Mutations in AXIN1 – also known as AXIN or PPP1R49 – have been associated with hepatocellular carcinoma, hepatoblastomas, ovarian endometrioid adenocarcinomas, medullablastomas and other malignancies.

Intended Use

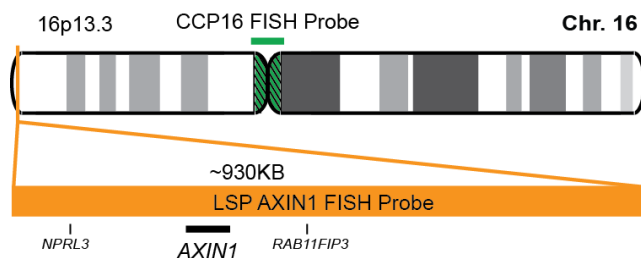
To measure the copy number of the human *AXIN1* gene located on chromosome band 16p13.3.

Cont.

Color

LSP AXIN1 FISH Probe CytoOrange
CCP16 (Pericentromeric) FISH Probe CytoGreen

Probe Design



Not to Scale

LSP AXIN1 FISH Probe covers a chromosomal region, which includes the entire *AXIN1* gene. CCP16 FISH Probe is designed to serve as a control to determine the number of chromosome 16 copies per cell.

Cat. No.

Volume

CT-PAC281-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

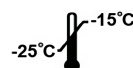
Other Patterns

- 1) Mazzoni SM & Fearon ER. *Cancer Lett.* 355(1):1-8 (2014).
- 2) Noutsou M, et al. *J Mol Biol.* 405(3):773-86 (2011).
- 3) Taniguchi K, et al. *Oncogene.* 21(31):4863-71 (2002).
- 4) Martic TN, et al. *Pathol Oncol Res.* 16(1):75-9 (2010).
- 5) Pospisil H, et al. *BMC Genomics.* 7:148 (2006).

* 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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