

UBE3A/PML/CCP15 FISH Probe Kit

Introduction

The UBE3A/PML/CCP15 FISH Probe Kit is designed to detect the human *UBE3A* gene located on chromosome band 15q11.2, along with the number of chromosome 15 and chromosome 15 q-arm copies per cell. Abnormalities of this gene – also known as *AS*, *ANCR*, *PIX1*, *E6-AP*, *HPVE6A*, *EPVE6AP* – have been observed in cervical cancer as well as in breast and prostate cancer. Deletion or mutations of this gene are found in Prader-Willi Syndrome and Angelman Syndrome, severe neurological disorders.

Intended Use

To measure the copy number of the human *UBE3A* gene located on chromosome band 15q11.2.

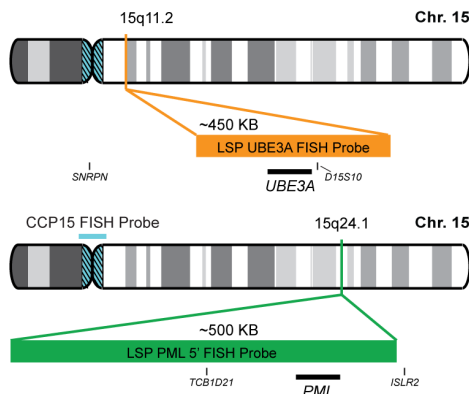
Cont.

Color

LSP UBE3A FISH Probe
LSP PML 5' FISH Probe
CCP15 FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



Not to Scale

LSP UBE3A FISH Probe covers a chromosomal region which includes the entire *UBE3A* gene along with some upstream and downstream genomic sequences. LSP PML 5' FISH Probe covers a chromosomal region which includes the entire *PML* gene and some sequences upstream (5' start) of the gene. CCP15 FISH probe DNA, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

Cat. No.

Volume

CT-PAC475-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

Other Patterns

1. Beer-Romero P, et al. *Oncogene* 14(5):595-602 (1997).
2. Hengstermann A, et al. *J. Virol.* 79(14):9296-300 (2005).
3. Kishino T, et al. *Nat. Genet.* 15(1):70-3 (1997).
4. Mantovani F & Banks L. *Oncogene* 20(54):7874-87 (2001).
5. Nawaz Z, et al. *Mol. Cell Biol.* 19(2):1182-9 (1999).

* 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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