

UBE3A/CCP15 FISH Probe Kit

Introduction

The UBE3A/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 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 Angelman syndrome, a severe neurological disorder.

Intended Use

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

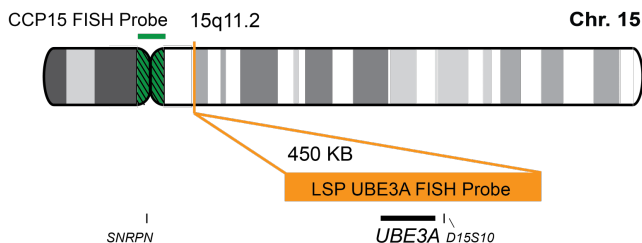
Cont.

Color

LSP UBE3A FISH Probe
CCP15 FISH Probe

CytoOrange
CytoGreen

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. 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-PAC407-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

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

© CytoTest Inc.



CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA