

# HPV type 31/33 CISH Probe

Catalog # CG0028

Size 400 uL

## Specification

**Product Description** HPV type 31/33 CISH Probe is designed for the qualitative detection of human papillomavirus (HPV) type 31/33 DNA in formalin-fixed, paraffin-embedded specimens by chromogenic *in situ* hybridization (CISH).

**Reactivity** Human

**Recommend Usage** The product is ready-to-use. No reconstitution, mixing, or dilution is required. Bring probe to room temperature (37°C) and mix briefly before use.

**Supplied Product** Reagent Provided:

1. Digoxigenin-labeled oligonucleotides specific for HPV type 31/33, which target DNA sequences encoding for the HPV 31/33 proteins E6, E7, and/or L1. The probe also targets the respective RNA sequences of E6, E7, and/or L1 proteins, which are expressed during some stages of infection.
2. Formamide based hybridization buffer.

**Regulatory Status** For research use only (RUO)

**Storage Instruction** Store at 2-8°C in an upright position. Return to storage conditions immediately after use.

**Note** The probe is intended to be used in combination with the CISH Implementation HRP-DAB Kit (Catalog #: [KA5367](#)), which provides necessary reagents for specimen pretreatment and post-hybridization processing.

The staining pattern in the nucleus can be observed as discrete and dot-shaped signals in case of integrated HPV, or as a strong and homogeneous nuclear staining in case of episomal HPV. A cytoplasmic staining is observed when RNA sequences of HPV are detected. Visualization of signals should be performed using a set of objectives ranging from an at least 200-fold to 630-fold magnification. The presence of the episomal staining pattern is usually detected clearly by an objective with 200-fold magnification, whereas the detection of the integrated HPV pattern requires a greater magnification, preferably 630-fold. Do not evaluate areas of necrosis, overlapping nuclei, over-digested nuclei and nuclei with weak signal intensity.

## Applications

- Chromogenic *In Situ* Hybridization (FFPE Tissue)