



## ViroProbe™ Human Papillomavirus 16 L1 Base Probe

**Cat. No.: VRS-0124-YT1059**

**This product is for research use only and is not approved for use in humans or in clinical diagnosis.**

Creative Biolabs provides probes that can amplify target-specific signals and detect RNA target expression with high sensitivity and specificity. The Base specific probe is designed to detect the nucleotide difference in the single cell including splice variants, short/highly homologous RNA sequences, and point mutations. This probe is specific for the detection of human papillomavirus 16 (HPV16) which is associated with cervical intraepithelial neoplasia (CIN) and carcinoma in situ (CIS). It is designed to target HPV16 L1 RNA in cellular and tissue environments in situ hybridization. The probe is for HPV16 research use only and is not approved for use in humans or in clinical diagnosis.

### Product Summary

Product Type	RNA Probe
Probe Type	Standard Probe
Specificity	Human papillomavirus 16
Target	L1
No. of Pairs	1
Application	ISH
Application Notes	This probe is sufficient for staining 20 sections, each with an area of approximately 20 mm x 20 mm.
Sample Source	Formalin-fixed, paraffin-embedded (FFPE) tissue, fresh-frozen tissue, fixed-frozen tissue, and cultured cells.
Assay Type	Chromogenic assay
Channel	C1

### Product Specification

Size	3 mL
Form	Liquid
Concentration	1× concentration
Storage	Store at 2-8°C for long term. Refer to the COA file for specifics.
Shelf Life	Stable for two year after receipt when stored as recommended.

## Target Details

Full Name	Human papillomavirus 16
Accession number	<a href="#">JQ004092.1</a>
Target Region	3590-5649
Introduction	Human papillomavirus (HPV) is a DNA virus from the Papillomaviridae family. They do not cause any problems in most case. Some HPV infections can stay in the body and lead to complications, including genital warts. HPV infection may also cause more serious conditions, such as certain types of cancer. The HPV type 16 and 18 are known to be responsible of 70% of cervical cancers and precancerous cervical lesions
Alternative Names	Human papillomavirus 16; HPV16; HPV16-L1
Virus Subtype	Human papillomavirus type 16

## Virus Details

Virus Family	<i>Papillomaviridae</i>
Virus Subfamily	<i>Firstpapillomavirinae</i>
Virus Genus	<i>Alphapapillomavirus</i>
Species	<i>Alphapapillomavirus 9</i>
Accession number	<a href="#">JQ004092.1</a>
Virus Abbrev	HPV16
Virus Name	Human papillomavirus 16
Virus Alternatives Names	Human papillomavirus; HPV; HPV16; Human papillomavirus 16; Alphapapillomavirus 9
Genome Composition	dsDNA
Related Disease	Cervical intraepithelial neoplasia (CIN) and carcinoma in situ (CIS)