

# Anti-HPV16E2 [TVG 271]

**Catalogue number:** 151168

**Sub-type:** Primary antibody

**Images:** [https://res.cloudinary.com/ximbio/image/upload/c\\_fit/382a908f-120e-408e-b11c-acd65e7eb817.jpg](https://res.cloudinary.com/ximbio/image/upload/c_fit/382a908f-120e-408e-b11c-acd65e7eb817.jpg)

## Contributor

**Inventor:** Lionel Crawford

**Institute:** University of Cambridge

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## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-HPV16E2 [TVG 271]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** TVG 271 is useful for detection of protein in cervical lesions. TVG 271 completely inhibits E2 binding to E1.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human papilloma virus

**Selectivity:**

**Host:** Mouse

**Immunogen:** Maltose binding protein MBP-E2 (generated from an expression vector in which the E2 ORF was cloned in frame with malE)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Human Papilloma virus-16 early protein 2 (HPV16 E2)

**Target alternate names:**

**Target background:** The human papilloma virus (HPV) family of DNA tumor viruses includes HPV-16 and HPV-18, which are associated with a large proportion of cervical cancer cases. E1 and E2 are proteins involved in the regulation of viral DNA replication.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; WB ; ELISA ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Evans et al. 2019. J Virol. 93(4):. PMID: 30518656. ; Ludwig et al. 2018. Front Oncol. 8:445. PMID: 30370252. ; Evans et al. 2017. Oncotarget. 8(47):81892-81909. PMID: 29137231. ; Campos-Len et al. 2017. J Virol. 91(5):. PMID: 28031358. ; A deletion in the gene encoding the CD45 antigen in a patient with SCID. ; A point mutation within CD45 exon A is the cause of variant CD45RA splicing in humans. ; Hibma et al. 1995. Eur J Biochem. 229(2):517-25. PMID: 7744075. ; The interaction between human papillomavirus type 16 E1 and E2 proteins is blocked by an antibody to the N-terminal region of E2.

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