



[Go to Product page](#)

Datasheet for ABIN1713352  
**anti-HPV16 E7 antibody**

### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | HPV16 E7 (HPV-16 E7)   |
| Reactivity:  | Human Papillomavirus 16 (HPV-16), Virus  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This HPV16 E7 antibody is un-conjugated  |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                             |  |
|-----------------------------|--|
| Immunogen:                  | KLH conjugated synthetic peptide derived from HPV16 E7 protein |
| Isotype:                    | IgG  |
| Cross-Reactivity:           | Virus  |
| Cross-Reactivity (Details): | HPV16  |
| Purification:               | Purified by Protein A.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | HPV16 E7 (HPV-16 E7)                            |
| Alternative Name: | HPV16 E7 ( <a href="#">HPV-16 E7 Products</a> ) |
| Target Type:      | Viral Protein                                   |

## Target Details

---

**Background:** Synonyms: E7, Human Papilloma Virus, Human papillomavirus type 16 E7, Human papillomavirus type 16 E7, Protein E7, Human Papillomavirus 16 E7, HPV16 E7, E7 protein HPV16, VE7\_HP16.

Background: Human papilloma viruses (HPVs) can be classified as either high risk or low risk according to their association with cancer. HPV16 and HPV18 are the most common of the high risk group while HPV6 and HPV11 are among the low risk types. Approximately 90 % of cervical cancers contain HPV DNA of the high risk types. Mutational analysis have shown that the E6 and E7 genes of the high risk HPVs are necessary and sufficient for HPV transforming function. The specific interactions of the E6 and E7 proteins with p53 and pRB, respectively, correlate with HPV high and low risk classifications. The high risk HPV E7 proteins bind to pRB with a higher affinity than do the low risk HPV proteins, and only the high risk HPV E6 proteins form detectable complexes with p53 in vitro.

---

**Gene ID:** 1489079

## Application Details

---

**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IF(IHC-P) 1:50-200

---

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

---

**Concentration:** 1 µg/µL

---

**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

---

**Preservative:** ProClin

---

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

---

**Storage:** -20 °C

---

**Storage Comment:** Store at -20°C for 12 months.

---

**Expiry Date:** 12 months