

Polyclonal Antibody to HPV 16 E7**Description**

Infection with specific types of HPV has been associated with an increased risk of developing cervical neoplasia. HPV types 16 and 18, two of the major high-risk types of HPV are strongly associated with cervical, vaginal, and vulvar malignancies. Early viral proteins E6 and E7 are key players in malignant transformation, as they inactivate Rb and p53 tumor suppressor and interact with other important factors of growth control. Integration of E6/E7 region into the human genome, in turn, results in a constitutive deregulated production of these oncoproteins, which drives the infected cell into a state of increased proliferation, thereby leading to malignant transformation.

Product Name

Rabbit anti-HPV 16 E7

Size: 100ug

Immunogen

Ni-NTA purified full-length recombinant HPV16 E7 expressed in E. Coli strain BL21 (DE3)

Applications

Western Blot: 1: 250- 1: 2,000

IHC: 1: 500- 1: 2,000

ELISA: 1: 1000- 1: 5,000.

Determine optimal working dilutions by titration test.

Storage: -20°C

Formulation

Antibodies are purified by protein A affinity chromatography

References

1. Kraus I, Molden T, Erno LE, Skomedal H, Karlsen F, Hagmar B. *Br J Cancer* 2004, 90:1407-1413
2. [Kraus I](#), [Molden T](#), [Holm R](#), [Lie AK](#), [Karlsen F](#), [Kristensen GB](#), [Skomedal H](#). *J Clin Microbiol* 2006, 44:1310-7

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