

Anti-HPV-16 E2

Catalogue number: 153962

Sub-type: Primary antibody

Images:

Contributor

Inventor: Lawrence Banks

Institute: International Centre For Genetic Engineering And Biotechnology (ICGEB)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-HPV-16 E2

Alternate name: Human papillomavirus type 16 E2 protein

Class: Polyclonal

Conjugate: Unconjugated

Description: Nearly all cases of cervical cancer are associated with HPV infection, with two types, HPV16 and HPV18, present in 70% of cases. HPV type 16 is the most malignant strain, present in 41 to 54% of all cervical cancers, and in many cases of vaginal/vulvar cancer, penile cancers, anal cancers, and cancers of the head and neck. In 2012, about 528,000 new cases and 266,000 deaths from cervical cancer occurred worldwide. HPV viral genes E6 and E7 acts as oncogenes to promote tumour formation and malignant transformation. The E2 proteins are pivotal to the viral life cycle and have well characterized functions in transcriptional regulation, initiation of DNA replication and partitioning the viral genome. All E2 proteins are sequence specific DNA binding proteins that bind to 12bp motifs located mostly within the Upstream Regulatory Region (URR) of the viral genomes.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human papilloma virus

Selectivity:

Host: Rabbit

Immunogen: Recombinant HPV-16 E2

Immunogen UNIPROT ID:

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: HPV-16 E2

Target alternate names:

Target background: Nearly all cases of cervical cancer are associated with HPV infection, with two types, HPV16 and HPV18, present in 70% of cases. HPV type 16 is the most malignant strain, present in 41 to 54% of all cervical cancers, and in many cases of vaginal/vulvar cancer, penile cancers, anal cancers, and cancers of the head and neck. In 2012, about 528,000 new cases and 266,000 deaths from cervical cancer occurred worldwide. HPV viral genes E6 and E7 acts as oncogenes to promote tumour formation and malignant transformation. The E2 proteins are pivotal to the viral life cycle and have well characterized functions in transcriptional regulation, initiation of DNA replication and partitioning the viral genome. All E2 proteins are sequence specific DNA binding proteins that bind to 12bp motifs located mostly within the Upstream Regulatory Region (URR) of the viral genomes.

Molecular weight: 43 kDa

Ic50:

Applications

Application: IF ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: Serum

Storage conditions:

-15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org