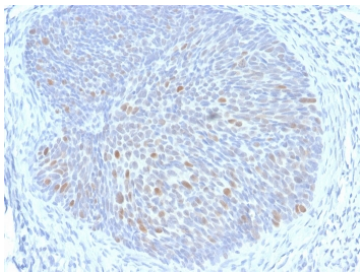
HPV16 E1/E4 Antibody [clone HPV16 E1/E4] (V8338)

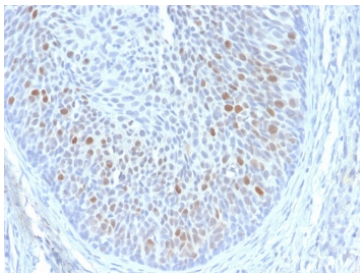
Catalog No.	Formulation	Size
V8338-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8338-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8338SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Type 16 of Human Papilloma Virus (HPV-16).
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HPV16 E1/E4
Purity	Protein G affinity chromatography
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This HPV16 E1/E4 antibody is available for research use only.



IHC staining of FFPE human cervix with HPV16 E1/E4 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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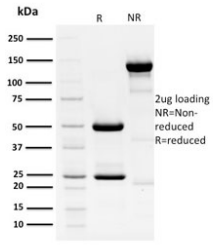

SDS-PAGE analysis of purified, BSA-free HPV16 E1/E4 antibody as confirmation of integrity and purity.

Description

The human papilloma virus (HPV) family of DNA tumor viruses includes HPV16, a 'high-risk' sexually-transmitted HPV that can lead to cervical, anal, vulvar, head, neck, and penile cancer. The HPV16E1/E4 protein is expressed abundantly in cells supporting viral DNA amplification, but is lost during malignant progression. HPV16E1/E4 causes G2 cell cycle arrest by associating with and preventing the nuclear entry of Cdk1/cyclin B1 complexes. HPV16E1/E4 also interacts with cyclin A and Cdk2 during the G2 phase of the cell cycle, and this association may increase the efficiency with which HPV16E1/E4 is able to prevent mitotic entry. HPV16E1/E4 also associates with keratin intermediate filaments and causes the network to collapse.

Application Notes

Optimal dilution of the HPV16 E1/E4 antibody should be determined by the researcher.

Immunogen

A recombinant human HPV16 E1/E4 fragment (amino acids 36-41) was used as the immunogen for this HPV16 E1/E4 antibody.

Storage

Store the HPV16 E1/E4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com