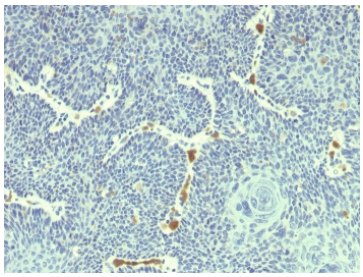
HPV18 E6 Antibody [clone HPV18/1297] (V8278)

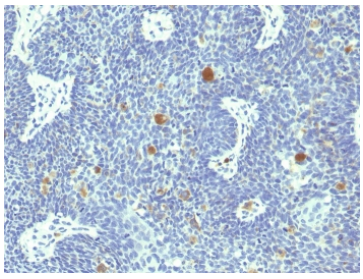
Catalog No.	Formulation	Size
V8278-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8278-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8278SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Type 18 E6 of Human Papilloma Virus (HPV-18)
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HPV18/1297
Purity	Protein G affinity chromatography
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This HPV18 E6 antibody is available for research use only.



IHC staining of FFPE human cervix with HPV18 E6 antibody (clone HPV18/1297). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cervix with HPV18 E6 antibody (clone HPV18/1297). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 has 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.

Application Notes

Optimal dilution of the HPV18 E6 antibody should be determined by the researcher.

Immunogen

HPV18 E6-Î²-galactosidase fusion protein was used as the immunogen for this HPV18 E6 antibody.

Storage

Store the HPV18 E6 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).