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Datasheet for ABIN6937433
anti-HPV18 antibody

Overview

Quantity:	100 µg
Target:	HPV18 (HPV-18)
Reactivity:	Human Papillomavirus 18 (HPV-18)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HPV18 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	HPV18 E6-β-galactosidase fusion protein
Clone:	HPV18-1297
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	HPV18 (HPV-18)
Alternative Name:	HPV-18 (Human Papilloma Virus 18) (HPV-18 Products)
Target Type:	Viral Protein
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

Target Details

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.

Molecular Weight: 16kDa

Application Details

Application Notes: Positive Control: HPV-18 infected cells. Cervical tissue.
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Buffer: 10 mM PBS without BSA and without Azide.

Preservative: Azide free

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Expiry Date: 24 months