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36-3698: Anti-HPV-18 (Human Papilloma Virus 18) Monoclonal Antibody(Clone: HPV18/1297)

Clonality :	Monoclonal
Clone Name :	HPV18/1297
Application :	IHC
Alternative Name :	E6; Human Papilloma Virus; HPV type 18 E6; Protein E6
Isotype :	Mouse IgG1, kappa
Immunogen Information :	HPV18 E6-β-galactosidase fusion protein

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

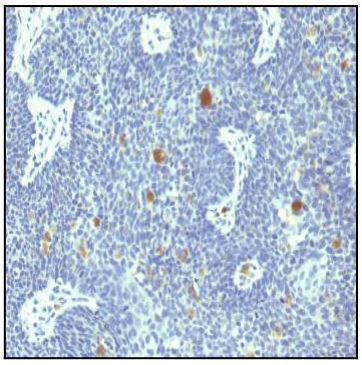


Fig. 1: Formalin-fixed, paraffin-embedded human Cervix stained with HPV-18 Mouse Monoclonal Antibody (HPV18/1297).

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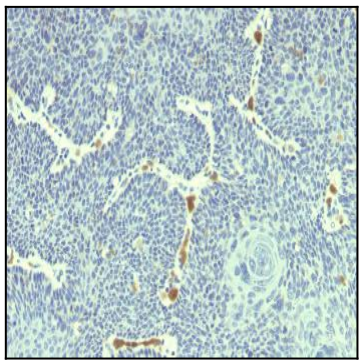


Fig. 2: Formalin-fixed, paraffin-embedded human Cervix stained with HPV-18 Mouse Monoclonal Antibody (HPV18/1297).

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