

HPV (K1H8)

Mouse Monoclonal Antibody

Specificity: Humans

Immunogen: Alkaline disrupted HPV type 1

Ig Class: IgG1/k

Storage: Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:20. *Positive Control:* HPV infected cells of tissue. *Localization:* Nuclei of infected cells. *Intended Use:* Research Use Only (RUO).

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 antibody reacts very strongly with formalin-fixed, paraffin-embedded tissues containing HPV-16, -18 or -33.

Intended Use: This antibody is intended for research use only (RUO). HPV (K1H8) mouse monoclonal primary antibody is intended for laboratory use in the detection of HPV in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

Supplied As: Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% sodium azide.

References:

1. Ichinohasama R, et al. *Am J Surg Pathol.* 1998; 22:1528-37.
2. Hsi ED, et al. *Am J Surg Pathol.* 1998; 22:493-9.

REF Z2201ML-R/ Z2201MS-R/ Z2201MT-R/ Z2201MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)