

AM05496PU-N**Monoclonal Antibody to HPV16 L1 Protein - Purified**

Alternate names:	Human Papilloma Virus Major capsid protein L1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	L1 is a major capsid protein of type 16 human papilloma virus. Infection with specific types of HPV has been associated with an increased risk of developing cervical neoplasia. HPV types 6 and 11 have been associated with relatively benign diseases such as genital warts but types 16 and 18 are strongly associated with cervical, vaginal, and vulvar malignancies.
Uniprot ID:	P03101
NCBI:	NP_041332
GeneID:	1489082
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	CamVir-1
Immunogen:	Amino acids 198-531 of HPV 16-L1 fused to beta-Galactosidase.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS containing 0.09% Sodium Azide as preservative
Applications:	Western Blot. Immunoprecipitation. Immunofluorescence. Immunohistochemistry on Paraffin Sections: Paraffin Embedded, Acetone or Paraformaldehyde fixed sections are suitable. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with a late protein of HPV type 16. Can be used to detect HPV in Human biopsies and smears. HPV-6 and -11 positive biopsies gave negative results. In Western Blot this antibody detects a 56 kDa band corresponding to the L1 protein. It also detects a 41 kDa protein in uninfected mammalian cells. This unwanted specificity is absent in IPPT/IHC.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Browne HM, Churcher MJ, Stanley MA, Smith GL, Minson AC. Analysis of the L1 gene product of human papillomavirus type 16 by expression in a vaccinia virus recombinant. J Gen Virol. 1988 Jun;69 (Pt 6):1263-73. PubMed PMID: 2838573.