

# Product Datasheet

## HPV16 L1 Antibody (CamVir 1) - BSA Free NB100-2732

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NB100-2732****HPV16 L1 Antibody (CamVir 1) - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CamVir 1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	56 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse HPV16 L1 Antibody (CamVir 1) - BSA Free (NB100-2732) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-HPV16 L1 Antibody: Cited in 15 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Species</b>	Virus
<b>Reactivity Notes</b>	Human Papillomavirus (HPV)
<b>Specificity/Sensitivity</b>	Cross reacts with HPV37. Reacts very strongly with biopsy specimens containing HPV16 or HPV33; very weak reactions were occasionally observed with biopsy specimens or smears containing HPV6 or HPV11.
<b>Immunogen</b>	A beta galactosidase-L1 fusion protein purified by PAGE.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, ELISA 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 24231739), Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Knockdown Validated reported in scientific literature (PMID 32210347)
<b>Application Notes</b>	This HPV16 L1 (CamVir 1) antibody antibody reacts with a 56 kDa protein in cells infected with L1-vaccinia virus, the protein being present in a predominantly nuclear location.

## Publications

Hirano T. Alcohol Consumption and Oxidative DNA Damage International Journal of Environmental Research and Public Health 2011-07-01 [PMID: 21845164]

Pushparajah D Design of a DNA-Encoded Human Papilloma Virus-Like Particle Displaying a Vascular Endothelial Growth Factor Antagonistic Peptide for Characterization in Mammalian Cells Thesis 2022-01-01 (WB, Virus)

Finke J Structural and functional characterization of the HPV16 entry platform on the cell surface Thesis 2020-01-01 (WB)

Finke J, Mikulicic S, Loster AL et al. Anatomy of a viral entry platform differentially functionalized by integrins alpha 3 and alpha 6 Sci Rep 2020-03-24 [PMID: 32210347] (WB, KD, Human)

Park DS, Selvey LA, Kelsall SR et al. Human papillomavirus type 16 E6, E7 and L1 and type 18 E7 proteins produced by recombinant baculoviruses. J Virol Methods. 1993-12-31 [PMID: 8106603]

McLean CS, Churcher MJ, Meinke J et al. Production and characterisation of a monoclonal antibody to human papillomavirus type 16 using recombinant vaccinia virus. J Clin Pathol. 1990-06-01 [PMID: 2166093] (WB, IHC-P)

Carter JJ, Wipf GC, Benki SF et al. Identification of a human papillomavirus type 16-specific epitope on the C-terminal arm of the major capsid protein L1. J Virol. 2003-11-01 [PMID: 14557648] (WB, ELISA)

Orozco J, Carter JJ, Koutsky LA, Galloway DA. Humoral immune response recognizes a complex set of epitopes on human papillomavirus type 6 L1 capsomers J Virol. 2005-08-01 [PMID: 16014913] (WB)

Benyacoub J, Hopkins S, Potts A et al. The nature of the attenuation of Salmonella typhimurium strains expressing human papillomavirus type 16 virus-like particles determines the systemic and mucosal antibody responses in nasally immunized mice. Infect Immun. 1999-07-01 [PMID: 10377159] (WB)

Caparros-Wanderley W, Savage N, Hill-Perkins M et al. Intratype sequence variation among clinical isolates of the human papillomavirus type 6 L1 ORF: clustering of mutations and identification of a frequent amino acid sequence variant. J Gen Virol. 1999-04-01 [PMID: 10211973] (WB)

Nardelli-Haefliger D, Roden RB, Benyacoub J et al. Human papillomavirus type 16 virus-like particles expressed in attenuated Salmonella typhimurium elicit mucosal and systemic neutralizing antibodies in mice. Infect Immun. 1997-08-01 [PMID: 9234794] (WB)

Kirnbauer R, Booy F, Cheng N et al. Papillomavirus L1 major capsid protein self-assembles into virus-like particles that are highly immunogenic. Proc Natl Acad Sci USA. 1992-12-15 [PMID: 1334560] (WB)

More publications at <http://www.novusbio.com/NB100-2732>





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### **Products Related to NB100-2732**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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