

## Product Datasheet

### HPV-16 L1 Antibody (orb606482)

<b>Catalog Number</b>	orb606482
<b>Category</b>	Antibodies
<b>Description</b>	Reacts with a protein of 57kDa, identified as the L1 protein of human papilloma virus type 16 (HPV-16). It is the major capsid protein of HPV-16. 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. The antibody reacts very strongly with formalin-fixed, paraffin-embedded tissues containing HPV-16 or -33; very weak reactions were occasionally observed with biopsy specimens or smears containing HPV-6 or HPV-11. It cross-reacts with HPV37.
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Virus
<b>Immunogen</b>	Human papilloma virus type 16, major capsid protein L1, was used as the immunogen for the recombinant HPV16 L1 antibody.
<b>UniProt ID</b>	<b>P03101</b>
<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
<b>Application notes</b>	Optimal dilution of the recombinant HPV16 L1 antibody should be determined by the researcher. <sup>1</sup> The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

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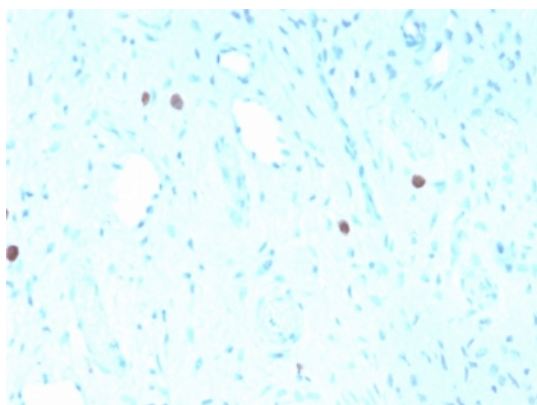
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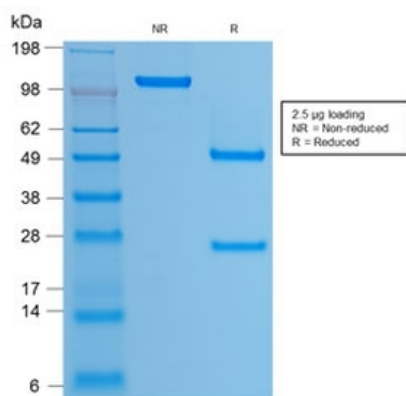
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<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	rHPV16L1/1058
<b>Formula</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only



IHC staining of FFPE human cervix with recombinant HPV16 L1 antibody (clone rHPV16L1/1058). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant HPV16 L1 antibody (clone rHPV16L1/1058) as confirmation of integrity and purity.

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