

### Anti-HPV16 E1+E4 antibody [TVG 403] ab20190

#### 1 References

#### Overview

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<b>Product name</b>	Anti-HPV16 E1+E4 antibody [TVG 403]
<b>Description</b>	Mouse monoclonal [TVG 403] to HPV16 E1+E4
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, ELISA, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human papillomavirus type 16
<b>Immunogen</b>	Fusion protein (Human). Antigen for hybridoma production was expressed as a b-galactosidase fusion protein using the pEX expression system and was consequently cleaved to release the E1/E4 polypeptide.
<b>Epitope</b>	E1/E4 protein is aa 36-41 of human papilloma virus type 16.
<b>General notes</b>	<p>This antibody is of value in monitoring the progress of HPV infection from benign lesions to invasive cancer.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
<b>Purity</b>	Protein A/G purified
<b>Primary antibody notes</b>	This antibody is of value in monitoring the progress of HPV infection from benign lesions to invasive cancer.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	TVG 403
<b>Myeloma</b>	NS0
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab20190 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

**Relevance** HPV16 is an ATP-dependent DNA helicase required for initiation of viral DNA replication. It forms a complex with the viral E2 protein. The E1-E2 complex binds to the replication origin which contains binding sites for both proteins. HPV16, in comparison to HPV types 6 and 11, is more often associated with malignant genital cancers in humans.

**Cellular localization** Nuclear

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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