

Product datasheet

Anti-Bovine Papilloma Virus E2 antibody [1E4] ab980

2 References 1 Image

Overview

<b>Product name</b>	Anti-Bovine Papilloma Virus E2 antibody [1E4]
<b>Description</b>	Mouse monoclonal [1E4] to Bovine Papilloma Virus E2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Cow
<b>Immunogen</b>	Mapped to amino acids 250-280.
<b>Epitope</b>	Not Determined.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	PBS with 50% glycerol
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1E4
<b>Isotype</b>	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab980** 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
WB		
IP		
ICC/IF		

## Application notes

IF (ICC): 1/500- 1/1000 (1hr, RT). Dilute in a diluent containing 1% BSA in PBS.

IP: Use at an assay dependent dilution to isolate E2Tag-tagged proteins and associated proteins/protein binding partners. Use protein G-agarose.

WB: 1/1000 - 1/5000 (1hr, RT). Dilute in a diluent containing 2% non-fat dry milk in TBST. (Background can be reduced by adding NaCl up to a concentration of 1.5 M.)Incubate  
Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

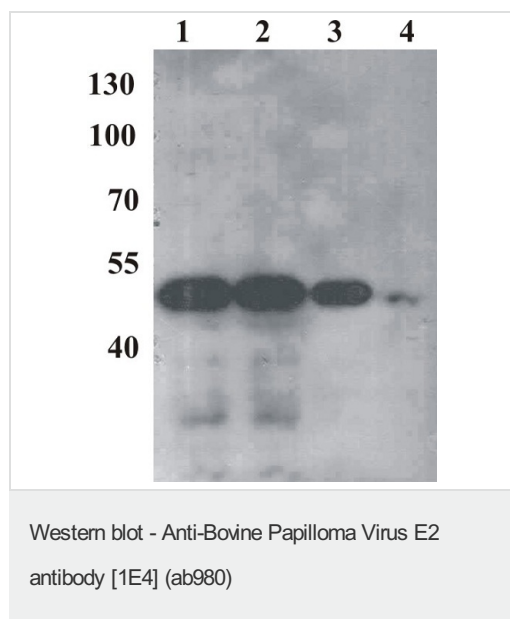
### Relevance

The bovine papilloma virus E2 protein is the master regulator of papillomavirus replication and transcription. Binds to the E2RE response element (5'-ACCNNNNNNGGT-3') present in multiple copies in the regulatory region. Can either activate or repress transcription depending on E2RE's position with regards to proximal promoter elements. Repression occurs by sterically hindering the assembly of the transcription initiation complex. The E1-E2 complex binds to the origin of DNA replication.

### Cellular localization

Host cell nucleus

## Images



**All lanes :** Anti-Bovine Papilloma Virus E2 antibody [1E4] (ab980)

**Lane 1 :** Purified recombinant Bovine Papillomavirus E2 protein at 15000 µg

**Lane 2 :** Purified recombinant Bovine Papillomavirus E2 protein at 10000 µg

**Lane 3 :** Purified recombinant Bovine Papillomavirus E2 protein at 5000 µg

**Lane 4 :** Purified recombinant Bovine Papillomavirus E2 protein at 1000 µg

**Predicted band size:** 45 kDa

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