Product datasheet

Anti-HPV16 E6 + HPV18 E6 antibody [C1P5] ab70

Overview

Product name
Anti-HPV16 E6 + HPV18 E6 antibody [C1P5]

Description
Mouse monoclonal [C1P5] to HPV16 E6 + HPV18 E6

Host species
Mouse

Tested applications
Suitable for: WB, IP, IHC-P

Immunogen
Gel-purified HPV-18 E6-beta galactosidase fusion protein.

Positive control
Human cervical cancer cells.

General notes

The E6 proteins are known to form oligomers; PMID19917295, PMID17209544.

Properties

Form
Liquid

Storage instructions
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.

Purity
Protein A purified

Clonality
Monoclonal

Clone number
C1P5

Myeloma
NS1

Isotype
IgG1

Light chain type
unknown

Applications

Our Abpromise guarantee covers the use of ab70 in the following tested applications.

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

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Relevance

Human Papilloma virus (HPV) is responsible for the development of type and tissue specific papilloma in the oral cavity and in the larynx. In the skin papilloma virus can cause different types of warts and in the ano-genital region it is associated with condyloma or carcinoma. HPV types 1,6 and 11 usually are associated with benign transformations of the tissues, while e.g. HPV types 16, 18 and 31 seem to be responsible for the development of some carcinoma like cervical carcinoma. The role of HPV in non-melanoic tumours of the skin is under discussion. Protein E6 is a Transcriptional transactivator, binding double stranded DNA. It has transforming activity inactivating, with E6-AP ubiquitin-protein ligase, the human TP53/p53 tumor suppressor protein by targeting it for degradation.

Images

Subconfluent proliferating MCF-7 or T47D cells were transiently transfected overnight with empty pcDNA3 vector, with FLAG wild-type E6 or zinc finger defective mutant E6 (E6-(C66,136G)). The cells were washed, post-incubated for 24 hours to allow gene expression, and harvested for Western blotting to detect the E6 oncoprotein using ab70.

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