



Mouse anti HPV 16 Monoclonal Antibody

Alternative Name(s): Papillomavirus Type 16 (HPV 16); E5 protein

Order Information

- **Description:** HPV 16
- **Catalogue:** 500-5834
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM257
- **Application:** IHC(P)
- **Reactivity:** Hu,Co,Pi,Rb

ANTIGEN PREPARATION

A recombinant protein of HPV type 16 protein.

BACKGROUND

The infection with certain type of HPV, the so called "oncogenic HPV's" including 16, 18, 31, 33 and 35, has been associated as a major risk factor in the subsequent development of cervical cancer. The high-risk HPV 16 group is almost equally associated with the cervical intraepithelial neoplasia (CIN) and cervical cancer. HPV 6 and 11 are found mainly in benign cervical lesions while HPV 16 and 18 have been associated with premalignant and malignant cervical lesions. The presence of HPV has been reported in malignant lesions of skin, oral cavity, tongue and lung. This antibody Papillomavirus type 16 in the nucleus of infected cells or tissues stained by immunohistochemical techniques.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes HPV 16 protein. The other species was not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 10.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

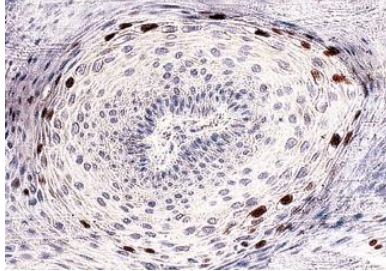
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: : Human HPV infected cervical tissue stained with Mouse anti HPV 16 monoclonal antibody (Cat# 500-5834) at 1:100 for 30 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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