

Mouse PAPILLOMAVIRUS 16 ONCOPROTEIN E7 Monoclonal Antibody | anti-E7 antibody

MOUSE ANTI HUMAN PAPILLOMAVIRUS 16 ONCOPROTEIN E7

CATALOG # AAA49545	HOST Mouse	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

PAPILLOMAVIRUS 16 ONCOPROTEIN E7; Monoclonal Antibody; MOUSE ANTI HUMAN PAPILLOMAVIRUS 16 ONCOPROTEIN E7; anti-E7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	716-D1
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	98
Applicable Applications for anti-E7 antibody	WB (Western Blot), ELISA
Perservative Stabilisers	<0.1% Sodium azide (NaN ₃)
Immunogen	Oncoprotein E7 from human papillomavirus 16.
Buffer Solution	Phosphate buffered saline
Target Species	Viral
Preparation and Storage	It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended

ADDITIONAL INFORMATION

Related Product Information for anti-E7 antibody	Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-D1 recognizes both the monomer and dimer forms of the E7 oncoprotein of human papilloma virus 16. Human papillomavirus (HPV) is a diverse group of DNA-based viruses that infect skin and mucous membranes of humans and animals. Some HPV types are the causative agents of cervical cancer, with types 16 and 18 being particularly high-risk. The viral proteins E6 and E7 disrupts normal cell cycle regulation by interacting with p53 (a tumor-suppressing transcription factor) and Rb (retinoblastoma protein, also a tumor-suppressor). E7 particularly binds to Rb and histone deacetylases, resulting in activation of the E2F genes, which code for a family of transcription factors. The viral proteins E6 and E7 might be of particular interest in the development of therapeutic vaccines, since they are expressed early in viral infection. Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-D1 cross-reacts with both the monomer and dimer forms of the E7 protein of HPV-18.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9627105
NCBI GeneID	1489079
NCBI Accession #	NP_041326.1
NCBI GenBank Nucleotide #	NC_001526.2
UniProt Accession #	P03129; Q778G4
NCBI Official Full Name	transforming protein
NCBI Official Symbol	E7
NCBI Protein Information	transforming protein
UniProt Protein Name	Protein E7
UniProt Gene Name	E7
UniProt Entry Name	VE7_HP16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/papillomavirus-16-oncoprotein-e7-antibody-clone-716-d1-western-blot-elisa/49545>