

Rabbit papillomavirus type 16 Protein E6 Polyclonal Antibody | anti-E6 antibody

Rabbit anti-human papillomavirus type 16 Protein E6 polyclonal Antibody, Biotin conjugated

CATALOG # AAA117859	HOST Rabbit	REACTIVITY Human papillomavirus type 16	APPLICATIONS ELISA
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PRODUCT SYNONYMS

papillomavirus type 16 Protein E6; Polyclonal Antibody; Rabbit anti-human papillomavirus type 16 Protein E6 polyclonal Antibody; Biotin conjugated; Protein E6; E6; anti-E6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human papillomavirus type 16
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	158
Applicable Applications for anti-E6 antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen	Recombinant Human papillomavirus type 16 Protein E6 protein (1-158AA)
Research Area	Microbiology
Target Names	E6
Conjugate	Biotin
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-E6 antibody	Plays a major role in the induction and maintenance of cellular transformation. Acts mainly as an oncoprotein by stimulating the destruction of many host cell key regulatory proteins. E6 associates with host E6-AP ubiquitin-protein ligase, and inactivates tumor suppressors TP53 and TP73 by targeting them to the 26S proteasome for degradation. In turn, DNA damage and chromosomal instabilities increase and lead to cell proliferation and cancer development. The complex E6/E6P targets several other substrates to degradation via the proteasome including host NFX1-91, a repressor of human telomerase reverse transcriptase (hTERT). The resulting increased expression of hTERT prevents the shortening of telomere length leading to cell immortalization. Other cellular targets including Bak, Fas-associated death domain-containing protein (FADD) and procaspase 8, are degraded by E6/E6AP causing inhibition of apoptosis. E6 also inhibits immune response by interacting with host IRF3 and TYK2. These interactions prevent IRF3 transcriptional activities and inhibit TYK2-mediated JAK-STAT activation by interferon alpha resulting in inhibition of the interferon signaling pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9627104
NCBI GeneID	1489078
NCBI Accession #	NP_041325.1
NCBI GenBank Nucleotide #	NC_001526.2
UniProt Accession #	P03126; Q71BI7; Q547J2
NCBI Official Full Name	transforming protein
NCBI Official Symbol	E6
NCBI Protein Information	transforming protein
UniProt Protein Name	Protein E6
UniProt Gene Name	E6
UniProt Entry Name	VE6_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://www.aaabiotech.com/polyclonal/papillomavirus-type-16-protein-e6-antibody-elisa/117859>