

# ARG10164 anti-HPV16 E7 antibody [716-281]

Package: 100 μg, 50 μg Store at: -20°C

## Summary

Product Description	Mouse Monoclonal antibody [716-281] recognizes HPV16 E7
Tested Reactivity	HPV
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	716-281
lsotype	lgG2b
Target Name	HPV16 E7
Immunogen	HPV oncoprotein E7, types 16 & 18
Conjugation	Un-conjugated

## **Application Instructions**

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations
	should be determined by the scientist.

#### **Properties**

Form	Liquid
Purification	Protein G affinity purified
Buffer	PBS (pH 7.2) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links	GenelD: 1489079 HPV
Gene Symbol	E7
Gene Full Name	transforming protein
Function	E7 protein has both transforming and trans-activating activities. Disrupts the function of host retinoblastoma protein RB1/pRb, which is a key regulator of the cell cycle. Induces the disassembly of

the E2F1 transcription factors from RB1, with subsequent transcriptional activation of E2F1-regulated S-<br/>phase genes. Inactivation of the ability of RB1 to arrest the cell cycle is critical for cellular<br/>transformation, uncontrolled cellular growth and proliferation induced by viral infection. Stimulation of<br/>progression from G1 to S phase allows the virus to efficiently use the cellular DNA replicating machinery<br/>to achieve viral genome replication. Interferes with histone deacetylation mediated by HDAC1 and<br/>HDAC2, leading to activation of transcription (By similarity). [UniProt]Research AreaMicrobiology and Infectious Disease antibodyCalculated Mw11 kDa

Images

