

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	Virus
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	716-281
Isotype	IgG2b
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.
Calculated Mw	11 kDa

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

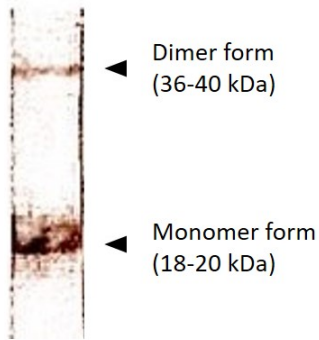
Gene Symbol	E7
Gene Full Name	transforming protein
Function	E7 protein has both transforming and trans-activating activities. Disrupts the function of host retinoblastoma protein RB1/pRb, which is a key regulator of the cell cycle. Induces the disassembly of

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

Research Area

Microbiology and Infectious Disease antibody

Images



ARG10164 anti-HPV16 E7 antibody [716-281] WB image

Western blot: 15 μ g of recombinant protein stained with ARG10164 anti-HPV16 E7 antibody [716-281].