ARG10496
anti-HPV16 E7 antibody [716-D1]

Package: 250 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [716-D1] recognizes HPV16 E7
Tested Reactivity	HPV
Tested Application	ELISA, WB
Specificity	The clone 716-D1 can detect both monomer and dimmer forms of HPV type 16 E7 protein and it is also equally suitable for capture of both HPV type 16 and 18 according WB result.
Host	Mouse
Clonality	Monoclonal
Clone	716-D1
Isotype	IgG2a
Target Name	HPV16 E7
Species	Virus
Immunogen	Balb/c mice immunized with HPV oncoprotein E7, type 16.
Epitope	a.a. 36-43
Conjugation	Un-conjugated

Application Instructions

Application Note	ELISA: Recommended pair for sandwich immunoassay: ARG10496 (capture) and ARG11058 (detection) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

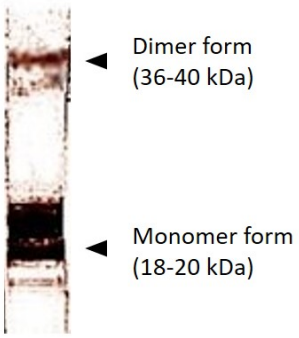
Properties

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	GeneID: 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-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]
Highlight	Related Antibody Duos and Panels: ARG30191 HPV18 E7 ELISA Antibody Duo Related products: HPV antibodies; HPV ELISA Kits; HPV Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Microbiology and Infectious Disease antibody

Images



ARG10496 anti-HPV16 E7 antibody [716-D1] WB image

Western blot:15 µg of recominbinant protein stained with ARG10496 anti-HPV16 E7 antibody [716-D1].