DATASHEET

HPV16 E6/18 E6 Mouse Monoclonal Antibody(ARA494)

CAT. NO. ARA5808

KEY FEATURES

Target:	HPV16 E6/18 E6	**Clone ID:**	ARA494
Source/Host:	Mouse	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

Human papillomaviruses (HPVs) are classified as high-risk or low-risk according to their association with cancer. HPV16 and HPV18 are the most common high-risk types, whereas HPV6 and HPV11 belong to the low-risk group. Approximately 90% of cervical cancers contain HPV DNA of the high-risk types. Mutational analysis has shown that the E6 and E7 genes of high-risk HPVs are necessary and sufficient for HPV transforming function. The specific interactions of the E6 and E7 proteins with p53 and pRB, respectively, correlate with the HPV high- and low-risk classifications. High-risk HPV E7 proteins bind pRB with higher affinity than low-risk HPV proteins, and only the high-risk HPV E6 proteins form detectable complexes with p53 in vitro.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal antibody to HPV16 E6/18 E6
Antibody Type	Primary antibody
Immunogen	Purified HPV18 E6-beta-galactosidase fusion protein.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	16/17 kDa
Isotype	IgG1 kappa
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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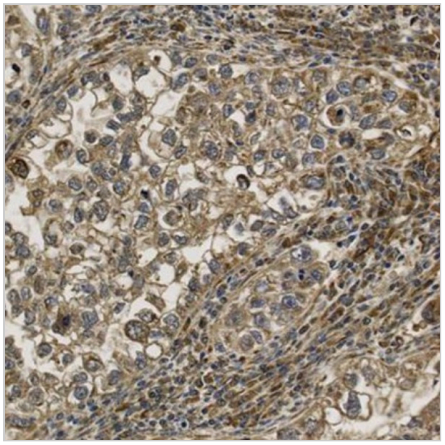

Immunohistochemical analysis of paraffin-embedded human uterine serous carcinoma tissue with HPV16 E6/18 E6 Mouse Monoclonal Antibody(ARA494).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com