

Product Datasheet

HPV-16 E6 + HPV-18 E6 Antibody (orb640128)

Catalog Number	orb640128
Category	Antibodies
Description	Human papilloma viruses (HPVs) can be classified as either high risk or low risk according to their association with cancer. HPV16 and HPV18 are the most common of the high risk group while HPV6 and HPV11 are among the low risk types. Approximately 90% of cervical cancers contain HPV DNA of the high risk types. Mutational analysis has shown that the E6 and E7 genes of the 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 HPV high and low risk classifications. The high risk HPV E7 proteins bind to pRB with a higher affinity than do the low risk HPV proteins, and only the high risk HPV E6 proteins form detectable complexes with p53 in vitro.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Virus
Immunogen	HPV18 E6- β -galactosidase fusion protein was used as the immunogen for this HPV-16 E6 + HPV-18 E6 antibody cocktail.
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the antibody should be determined by the researcher.
Antibody Type	Primary Antibody

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Formula	0.2 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

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