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Datasheet for ABIN7091235
anti-HPV16 E7 antibody (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	HPV16 E7 (HPV-16 E7)
Reactivity:	Human Papillomavirus 16 (HPV-16), Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HPV16 E7 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from HPV16 E7 protein
Isotype:	IgG
Cross-Reactivity:	Virus
Cross-Reactivity (Details):	HPV16
Purification:	Purified by Protein A.

Target Details

Target:	HPV16 E7 (HPV-16 E7)
Alternative Name:	HPV16 E7 (HPV-16 E7 Products)
Target Type:	Viral Protein
Background:	Synonyms: E7, Human Papilloma Virus, Human papillomavirus type 16 E7, Human

Target Details

papillomavirus type 16 E7, Protein E7, Human Papillomavirus 16 E7, HPV16 E7, E7 protein HPV16, VE7_HP16.

Background: 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 have 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.

Gene ID: 1489079

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.