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Datasheet for ABIN2173803
anti-HPV16 E7 antibody (Middle Region) (Cy5.5)

Overview

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| Quantity: | 100 µL |
| Target: | HPV16 E7 (HPV-16 E7) |
| Binding Specificity: | Middle Region |
| Reactivity: | Human Papillomavirus 16 (HPV-16) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HPV16 E7 antibody is conjugated to Cy5.5 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

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|-----------------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from middle of HPV16-E7 |
| Isotype: | IgG |
| Specificity: | This antibody may also detect HPV35-E7 |
| Cross-Reactivity: | Human, Virus |
| Cross-Reactivity (Details): | HPV16 |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|----------------------|
| Target: | HPV16 E7 (HPV-16 E7) |
|---------|----------------------|

Target Details

Abstract: [HPV-16 E7 Products](#)

Target Type: Viral Protein

Background: Synonyms: Protein E7, E7

Background: Plays a role in viral genome replication by driving entry of quiescent cells into the cell cycle. Stimulation of progression from G1 to S phase allows the virus to efficiently use the cellular DNA replicating machinery to achieve viral genome replication. E7 protein has both transforming and trans-activating activities. Induces the disassembly of the E2F1 transcription factor from RB1, with subsequent transcriptional activation of E2F1-regulated S-phase genes. Interferes with host histone deacetylation mediated by HDAC1 and HDAC2, leading to transcription activation. Plays also a role in the inhibition of both antiviral and antiproliferative functions of host inteferon alpha.

Gene ID: 1489079

UniProt: [P03129](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

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: Sodium azide

Precaution of Use: This product contains Sodium azide: 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.

Expiry Date: 12 months
