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Datasheet for ABIN2173801  
**anti-HPV16 E7 antibody (Middle Region) (Cy3)**

### Overview

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 Cy3
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

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)
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## Target Details

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

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Target Type: Viral Protein

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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.

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Gene ID: 1489079

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UniProt: [P03129](#)

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## Application Details

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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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

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Preservative: Sodium azide

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

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Storage: -20 °C

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

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Expiry Date: 12 months

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