

HPV Type 16 E7 Monoclonal Antibody (8C9)

Product Details	
Size	50 µg
Species Reactivity	Virus
Published Species	Virus
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	8C9
Conjugate	Unconjugated
Immunogen	Bacterially derived fusion protein containing the human papillomavirus tp 16 early protein E7 open reading frame.
Form	Lyophilized
Concentration	50 µg/mL
Purification	HPLC
Storage buffer	PBS with 1% BSA
Contains	0.1% sodium azide
Storage conditions	4°C
RRID	AB_2533057

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100	19 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:2	-
Immunocytochemistry (ICC/IF)	-	6 Publications
Immunoprecipitation (IP)	1:10	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

In Western blot against the HPV16-E7 bacterially derived fusion protein, the antibody detects a 52 kD band which is composed of the HPV16-E7 protein (15 kDa) and the trpE protein (37 kDa). Positive reactivity for the 15 kDa HPV16-E7 expressed protein was shown with CaSki (HPV16 DNA-containing cell line) cells by Western blot. The antibody has also been shown to immunoprecipitate and immunocytochemically stain the HPV16-E7 expressed protein from the CaSki cell line. Negative reactivity by Western blot was shown with a series of other HPV fusion proteins including: HPV16-E2, HPV16-E4, HPV16-E6, HPV18-E7, HPV6-E7, HPV6-E4, and HPV6-L1. The antibody failed to react with HeLa (HPV18 DNA-containing cell line) cells and other HPV DNA negative cervical carcinoma cell lines, HT-3 and C-33A, by Western blot, by immunoprecipitation or by immunocytochemical staining analyses.

Reconstitute the lyophilized material with 1 mL of deionized or distilled water for a final concentration of 50 µg/mL.

Western Blot (19)

<p>Cell biology international</p> <p>HPV16 E6/E7 stabilize PGK1 protein by reducing its poly-ubiquitination in cervical cancer.</p> <p>"28-0006 was used in Immunohistochemistry (Paraffin), Immunoprecipitation, Western Blot to show that PGK1 expression might serve as a prognostic biomarker in cervical cancer."</p> <p>Authors: Liu S,Song L,Yao H,Zhang L</p>	<p>Year 2022</p> <p>Species Virus</p> <p>Dilution 1:100</p>
<p>Molecular therapy oncolytics</p> <p>Preclinical Development of Oncolytic Immunovirotherapy for Treatment of HPV^{POS} Cancers.</p> <p>"28-0006 was used in Western Blotting to study the use of vesicular stomatitis virus as a platform for the oncolytic immunovirotherapy of tumours expressing HPV target antigens."</p> <p>Authors: Suksanpaisan L,Xu R,Tesfay MZ,Bomidi C,Hamm S,Vandergaast R,Jenks N,Steele MB,Ota-Setlik A,Akhtar H,Luckay A,Nowak R,Peng KW,Eldridge JH,Clarke DK,Russell SJ,Diaz RM</p>	<p>Year 2018</p> <p>Species Virus</p>

[View more WB references on thermofisher.com](#)

Immunocytochemistry (6)

<p>International journal of cancer</p> <p>Successful therapeutic vaccination with integrase defective lentiviral vector expressing nononcogenic human papillomavirus E7 protein.</p> <p>Authors: Grasso F,Negri DR,Mochi S,Rossi A,Cesolini A,Giovannelli A,Chiantore MV,Leone P,Giorgi C,Cara A</p>	<p>Year 2013</p> <p>Species Virus</p>
<p>Journal of virology</p> <p>Reconstruction of human papillomavirus type 16-mediated early-stage neoplasia implicates E6/E7 deregulation and the loss of contact inhibition in neoplastic progression.</p> <p>Authors: Isaacson Wechsler E,Wang Q,Roberts I,Pagliarulo E,Jackson D,Untersperger C,Coleman N,Griffin H,Doorbar J</p>	<p>Year 2012</p> <p>Species Virus</p>

[View more ICC/IF references on thermofisher.com](#)

More applications with references on thermofisher.com

- IP (2)
- Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.