

## Product datasheet for **AM26111PU-N**

### HPV18 E2 protein (1-83) Mouse Monoclonal Antibody [Clone ID: 2E7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2E7
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA, Western Blot, Immunofluorescence.</b> Titer using recombinant HPV-11 E2- protein: ELISA: 1/2000. Western Blot: 1/1000. The antibody does <b>Not</b> work in Immunoprecipitation!
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant full-length HPV-18 E2-protein purified from <i>E. coli</i> .
Specificity:	This antibody detects HPV-18 E2 protein at 1-83. Reacts in Western Blot and ELISA with HPV-18 native E2-protein as well recombinant E2-protein expressed in bacteria and Cos-7 cells.
Formulation:	PBS pH 7.4 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20 to -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Database Link:	<a href="#">P06790</a>



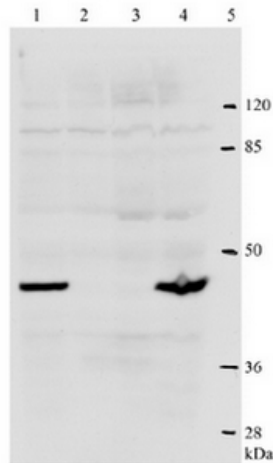
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**Background:**

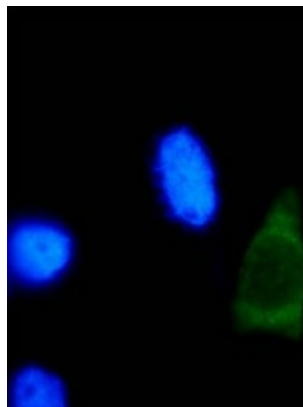
Human papillomaviruses (HPV) are small DNA viruses which infect epithelia of the skin and mucosa. Over 90 types have been identified and they mostly cause a variety of benign lesions such as warts and verrucae. However, some subtypes, notably types 16 and 18, 31 and 33, have been confirmed as agents which cause cervical cancer. Human Papillomavirus (HPV) E2 proteins are the major viral regulators of transcription and replication during the viral life cycle.

**Synonyms:**

Human papilloma virus type 18, HPV-18 E2, HPV18 E2

**Product images:**


Western-Blot analysis of HPV-18 E2 protein. WB was carried out with 2E7 Mab using the lysates of U2OS and HeLa cells. Lanes 1 and 4 are according to cells transfected with plasmid expressing HPV-11 E2 protein, lanes 2 and 3 are plain U2OS and HeLa cells. Last



Immunofluorescence analysis of HPV-18 E2 protein in U2OS cells. IF was carried out with HeLa cells transfected with plasmid expressing HPV-18 E2 protein. All the nuclei were stained by DAPI. Green color represents nucleus localized HPV-18 E2 detected by Ma