

Product datasheet for **AM26116PU-N**

HPV18 E7 Protein (36-70) Mouse Monoclonal Antibody [Clone ID: 8E2]

Product data:

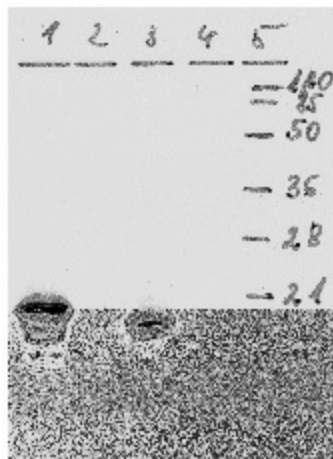
Product Type:	Primary Antibodies
Clone Name:	8E2
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	Immunofluorescence: 0.33-10 µg/ml Immunoprecipitation (using recombinant HPV-18 E7- protein): 1:500 ELISA (using recombinant HPV-18 E7- protein): 1:128 000. Western blot (using recombinant HPV-18 E7- protein): 1:1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant full-length HPV-18 E7-protein purified from E. coli
Specificity:	This antibody detects HPV18 E7 Protein at aa 36-70.
Formulation:	PBS pH 7.4, with 0.09% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
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:	P06788
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.



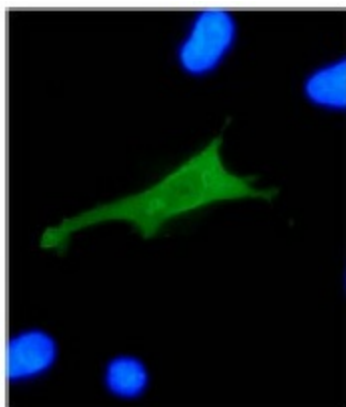
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Synonyms: Human Papilloma Virus Early protein 7

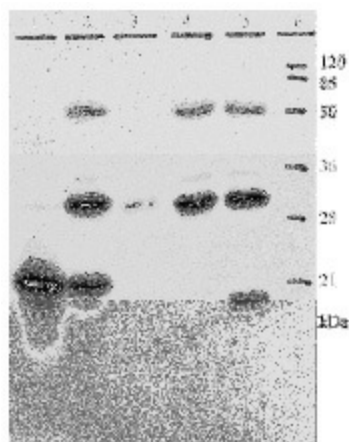
Product images:



Western blot analysis of HPV-18 E7 protein. WB was carried out with 8E2 Mab using the lysates of U2OS, HeLa and SiHa cells. Line 1. U2OS with plasmid expressing E7 protein, Line 2. plain U2OS cells. Lines 3 and 4. Lysate of HeLa and SiHa cells accordingly.



IF analysis of HPV-18 E7 protein in U2OS cells. IF was carried out with U2OS cells transfected with plasmid expressing HPV-18 E7 protein. All the nuclei were stained by DAPI. Green color represents nucleus-localized HPV-18 E7 detected by Mab 8E2. IF analysis



IP analysis of HPV-18 E7 protein. 1: detection of E7 protein by Mab 8E2 in lysate of U2OS cells. 2: the lower band is precipitated E7, upper bands are light and heavy chain of Mab. 3: precipitation without mab 8E2. 4: IP exp. with plain U2OS cells. 5: IP e