Mouse mAb to HPV11 E2 (clone 4H1)

Catalogue #	A2-402-100
Immunogen:	HPV-11 E2
Immunogen Description:	Recombinant full-length HPV-11 E2-protein purified from *E. coli*
Clonality:	Mouse monoclonal
Clone:	4H1
Class:	mIgG1
Reactivity:	Reacts with native and recombinant HPV-11 E2-protein
Application:	ELISA, WB, IF
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	0,067-0,1 µg/ml
Purification:	Protein G purification
Buffer:	PBS pH 7.4, with 0.1% sodium azide
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at -20…-70°C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles
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.

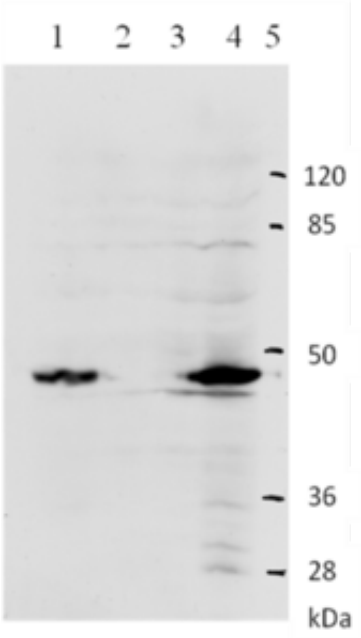

Figure 1. Western-Blot analysis of HPV-11 E2 protein. WB was was carried out with 4H1 Mab using the lysates of U20S and Hela cells. Lines 1 and 4 are according cells transfected with plasmid expressing HPV-11 E2 protein, Lines 2 and 3 are U2OS and Hela non-transfected cells. Line 5. Protein size marker.

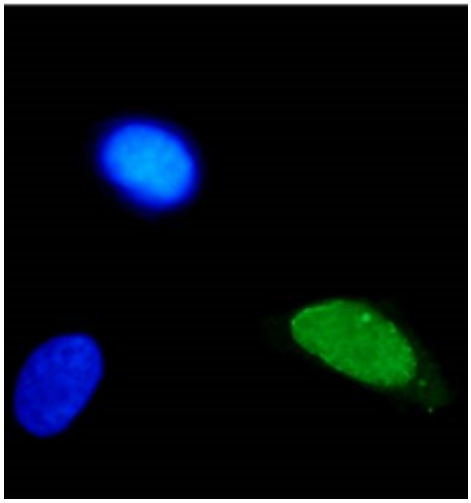

Figure 2. IF analysis of HPV-11 E2 protein in U2OS cells. IF was carried out with U2OS cells transfected with plasmid expressing HPV-11 E2 protein. All the nuclei were stained by DAPI. Green color represents nucleus-localized HPV-11 E2 detected by Mab 4H1. IF analysis of E2 protein show similar result also in HeLa cells