

# Recombinant JCV Polyomavirus Major Capsid VP1 protein ab74569

3 References 3 图像

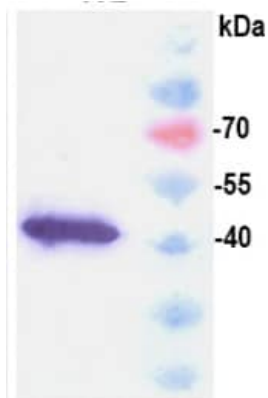
描述	
产品名称	重组JCV Polyomavirus Major Capsid VP1蛋白
生物活性	JCV VP1 protein was purified and lyophilized assembled into virus like particles (VLPs). It is tested for hemagglutination activity and analysed using electron microscopy.
纯度	> 95 % SDS-PAGE. Purified by ultracentrifugation.
表达系统	Saccharomyces cerevisiae
Accession	<u><b>AAG53896.1</b></u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
序列	MAPTKRKGERKDPVQVPKLLIRGGVEVLEVKTGVDSITEVEC FLTPEMGD PDEHLRGFSKISISDTFESDSPNKDMLPCYSVARIPLPNLN EDLTCGNI LMWEAVTLKTEVLGVTTLMNVHSNGQATHDNGAGKPVQGTSF HFFSVGGE ALELQGVVFNYRTKYPDGTIFPKNATVQSQVMNTEHKAYLDK NKAYPVEC WVPDPTRNENTRYFGTLTGGENVPPVLHITNTATTVLLDEFG VGPLCKGD NLYLSAVDVCGMFTNRSGSQWRGLSRYFKVQLRKRRVKNPY PISFLLTD LINRRTPKVDGQPMYGMDAQIEEVRVFEGTEELPGDPDMMRY VDRYGQLQ TKML
预测分子量	40 kDa
实际分子量	41 kDa
氨基酸	1 to 354

技术指标

Our **Abpromise guarantee** covers the use of **ab74569** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Western blot
	SDS-PAGE
形式	Lyophilized
补充说明	JCV VP1 protein was purified and lyophilized assembled into virus like particles (VLPs). It is tested for hemagglutination activity and analysed using electron microscopy.
制备和贮存	
稳定性和存储	Shipped at 4°C. Store at +4°C.
	Constituent: PBS
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute with deionized H <sub>2</sub> O. After reconstitution store at 4°C. With the addition of glycerol store at -20°C.
常规信息	
相关性	The human polyomavirus JC virus (JCV) infects greater than 80% of the human population. The JC virus is a small (38-40 nm in diameter) double stranded, circular DNA virus covered by an icosahedral capsid. Infection with JCV is asymptomatic and it occurs in early childhood. After the primary infection, the virus remains in latent state in the kidney, until it's reactivation under immunosuppressive conditions to result in Progressive Multifocal Leukoencephalopathy (PML), a fatal demyelinating disease. 70% of all HIV-1- infected patients will exhibit neurological disorders and between 5 and 8% of all HIV-1-infected patients will develop PML. Similar to other polyomaviruses, JCV can cause tumors when intracerebrally inoculated at high titers into developing rodent. Several reports suggest the association of viruses, especially of the polyomavirus family with different types of human brain tumors. Tumorigenicity of JCV is most likely induced by the viral early gene product T-antigen. T-antigen has the capacity to interact with several tumor suppressor proteins, most notably p53, and functionally inactivate these proteins.
细胞定位	Virion. Nucleus
图片	



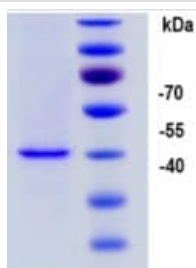
Western blot - Recombinant JCV Polyomavirus  
Major Capsid VP1 protein (ab74569)

Recombinant JCV Polyomavirus Major Capsid VP1 protein  
(ab74569)

**Predicted band size:** 40 kDa

Western blot showing ab74569 (Lane 1)

MW ladder (Lane 2)



SDS-PAGE - Recombinant JCV Polyomavirus Major  
Capsid VP1 protein (ab74569)

SDS-PAGE showing ab74569 (Lane 1)

Lane 2 represents the molecular weight ladder.



SDS-PAGE - Recombinant JCV Polyomavirus Major  
Capsid VP1 protein (ab74569)

SDS-PAGE showing ab74569 (4µg/lane).

Lane 1 represents the molecular weight ladder. From the bottom:

14.4, 18.4, 25.0, 35.0, 45.0, 66.2 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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