

Recombinant JCV Polyomavirus Major Capsid VP1 protein ab74569

3 References **画像数 3**

製品の詳細

製品名	Recombinant JCV Polyomavirus Major Capsid VP1 protein
生理活性	JCV VP1 protein was purified and lyophilized assembled into virus like particles (VLPs). It is tested for hemagglutination activity and analysed using electron microscopy.
精製度	> 95 % SDS-PAGE. Purified by ultracentrifugation.
発現系	Saccharomyces cerevisiae
アクセッション番号	<u>AAG53896.1</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
配列	MAPTKRKGERKDPVQVPKLLIRGGVEVLEVKTGVDSITEVEC FLTPEMGD PDEHLRGFSKISISDTFESDSPNKDMLPCYSVARIPLPNLN EDLTCGNI LMWEAVTLKTEVLGVTTLMNVHSNGQATHDNGAGKPVQGTSE HFFSVGGE ALELQGVVFNYRTKYPDGTIFPKNATVQSQVMNTEHKAYLDK NKAYPVEC WVPDPTRNENTRYFGTLTGGENVPPVLHITNTATTVLLDEFG VGPLCKGD NLYLSAVDVCGMFTNRSGSQWRGLSRYFKVQLRKRRVKNPY PISFLLTD LINRRTPKVDGQPMYGMDAQIEEVRVFEGTEELPGDPDMMRY VDRYGQLQ TKML
予測される分子量	40 kDa
実際の分子量	41 kDa
領域	1 to 354

特性

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.

アプリケーション

Western blot

SDS-PAGE

製品の状態

Lyophilized

備考

JCV VP1 protein was purified and lyophilized assembled into virus like particles (VLPs). It is tested for hemagglutination activity and analysed using electron microscopy.

前処理および保存

保存方法および安定性

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.

再構成

Reconstitute with deionized H₂O. After reconstitution store at 4°C. With the addition of glycerol store at -20°C.

関連情報

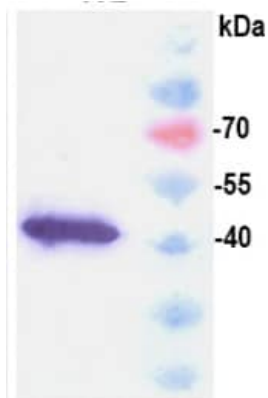
関連性

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.

細胞内局在

Virion. Nucleus

画像



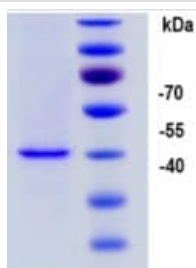
Western blot - Recombinant JCV Polyomavirus
Major Capsid VP1 protein (ab74569)

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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