abcam

Product datasheet

Anti-HSV1 ICP8 Major DNA binding protein antibody [11E2] ab20194

★★★★★ 1 Abreviews 44 References 画像数 3

製品の概要

製品名	Anti-HSV1 ICP8 Major DNA binding protein antibody [11E2]
製品の詳細	Mouse monoclonal [11E2] to HSV1 ICP8 Major DNA binding protein
由来種	Mouse
アプリケーション	**適用あり:** IP, WB, ICC/IF
種交差性	**交差種:** Herpes simplex virus
免疫原	Full length native protein (purified from U-35-VERO cells) (HSV).
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
精製度	Protein A/G purified
ポリ/モノ	モノクローナル
クローン名	11E2
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab20194の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		
WB		
ICC/IF	★★★★★ (1)	

追加情報

ICC/IF: Use at an assay dependent dilution (PMID 18434395).
IP: Use at an assay dependent dilution.
WB: Use at an assay dependent dilution. Predicted molecular weight: 129 kDa.

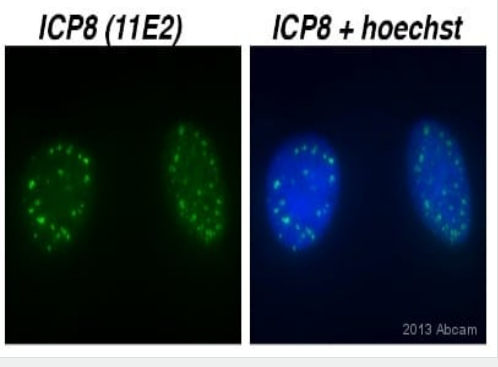
Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

関連性

Herpes simplex type 1 (HSV-1) belongs to a family that includes HSV-2, Epstein-Barr virus (EBV) and Varicella zoster (chicken pox) virus amongst others. HSV-1 and HSV-2 are extremely difficult to distinguish from each other. Members of this family have a characteristic virion structure. The double stranded DNA genome is contained within an icosahedral capsid embedded in a proteinaceous layer (tegument) and surrounded by a lipid envelope, derived from the nuclear membrane of the last host, which is decorated with virus-specific glycoproteins spikes. These viruses are capable of entering a latent phase where the host shows no visible sign of infection and levels of infectious agent become very low. During the latent phase the viral DNA is integrated into the genome of the host cell. ICP8 is the major DNA binding protein of herpes simplex virus type 1.

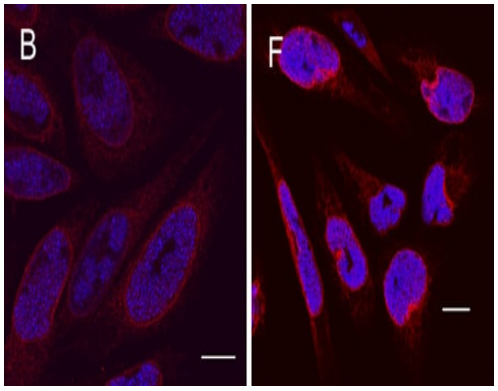
画像



Immunocytochemistry/ Immunofluorescence - Anti-HSV1 ICP8 Major DNA binding protein antibody [11E2] (ab20194)

This image is courtesy of an anonymous Abreview

ab20194 staining HSV1 ICP8 Major DNA binding protein in Human U2OS cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100 and blocked with 5% serum for 20 minutes at 22°C. Samples were incubated with primary antibody (1/200) for 1 hour at 22°C. An Alexa Fluor® 488-conjugated Goat anti-mouse IgG polyclonal (1/1000) was used as the secondary antibody.

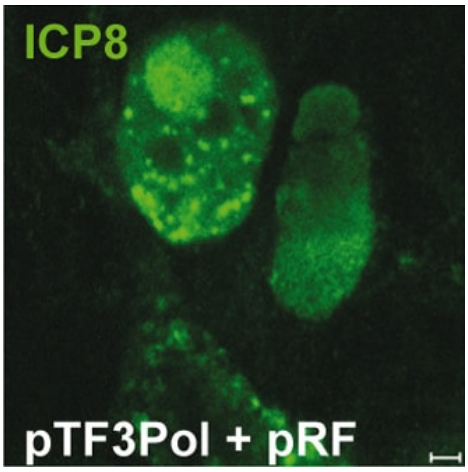


Immunocytochemistry/ Immunofluorescence - Anti-HSV1 ICP8 Major DNA binding protein antibody [11E2] (ab20194)

Image from Ohta A et al., Virol J. 2011 Jul 26;8:365. Fig 5.; doi:10.1186/1743-422X-8-365; 26 July 2011, Virology Journal 2011, 8:365

Immunofluorescence analysis of cells infected with HSV1, staining HSV1 ICP8 Major DNA binding protein (purple) with ab20194, 7 (left) or 17 (right) hours after infection.

Cells were permeabilized in 0.1% Triton X-100 in PBS for 5 min at room temperature before blocking with blocking buffer (4% goat serum, 1% BSA in PBS-Tween [0.05%]) for 30 min at room temperature. Samples were incubated with primary antibody (1/1000) and a fluorescence conjugated anti-mouse IgG was used to detect staining.



Immunocytochemistry/ Immunofluorescence - Anti-HSV1 ICP8 Major DNA binding protein antibody [11E2] (ab20194)

Image from Alazard-Dany N et al., PLoS Pathog. 2009 Mar;5(3):e1000340. Epub 2009 Mar 13. Fig 5.; doi:10.1371/journal.ppat.1000340; March 13, 2009, PLoS Pathog 5(3): e1000340.

Immunofluorescence analysis of HeLa cells transfected with pTF3 and pRF, staining HSV1 ICP8 Major DNA binding protein with ab20194.

Cells were fixed in paraformaldehyde for 10 min and then permeabilized with 0.5% Triton X-100 for 30 min. The cells were blocked with 4% BSA + 0.2% Tween for 30 min before incubation for 1 hour at RT with primary antibody (1/200 diluted in PBS-T). An AlexaFluor®488-conjugated donkey anti-mouse IgG (1/2000) was used as the secondary antibody.

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