

HSV-1/2 ICP27 (H1113): sc-69807

BACKGROUND

Two serotypes of the herpes simplex virus, HSV-1 (also known as type 1 or oral) and HSV-2 (type 2 or genital), can establish lifelong latent infections within sensory ganglia. Periodically, the virus reactivates and can cause recurrent cold sores, eye and genital infections and encephalitis. One of the HSV-1/2 proteins involved in converting the cell into an efficient producer of viral gene products is the infected cell polypeptide 27 or ICP27. HSV-1/2 immediate-early protein ICP27 is a nuclear phosphoprotein that is required for viral growth during lytic infection. Analysis of viral mutants defective in this function has shown that ICP27 has a number of effects on gene expression including a contribution to the shut off of host protein synthesis, the stimulation of HSV-1/2 early gene expression and DNA replication, and the induction of late viral gene products. ICP27 performs these functions primarily posttranscriptionally at the level of RNA processing. ICP27 affects three important RNA processing events: polyadenylation, splicing and nuclear RNA export.

REFERENCES

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SOURCE

HSV-1/2 ICP27 (H1113) is a mouse monoclonal antibody raised against the tsLB2 mutant of HSV-1.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

HSV-1/2 ICP27 (H1113) is recommended for detection of ICP27 of HSV-1 and HSV-2 by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of HSV-1/2 ICP27: 63 kDa.

SELECT PRODUCT CITATIONS

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.