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HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59047

Specification

HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	P08353
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**27533**

HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody - Additional Information

Other Names
Neurovirulence factor ICP34.5, Infected cell protein 34.5, protein gamma(1)34.5, RL1, ICP34.5

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody - Protein Information

Name RL1

Synonyms ICP34.5

Function
Inhibits the establishment of the immune response and of the integrated stress response (ISR) in the infected cell (PubMed:15705855, PubMed:21622569). Plays essential roles in viral nuclear egress to mediate capsid transit across the nuclear membrane (By similarity). Facilitates nuclear egress cooperatively with host C1QBP and protein kinase C/PKC to induce lamin A/C phosphorylation and subsequent reorganization (By similarity). In turn, lamina disassembles and nuclear egress occurs (By similarity). Recruits the serine/threonine protein phosphatase PPP1CA/PP1-alpha to dephosphorylate the translation initiation factor EIF2S1/eIF-2alpha, thereby couteracting the host shutoff of protein synthesis involving double-stranded RNA-dependent protein kinase EIF2AK2/PKR (PubMed:21622569, PubMed:9023344). In turn, controls host IRF3 activation and subsequently inhibits host interferon response (By similarity). Controls the DNA sensing pathway by interacting with and inhibiting host STING/TMEM173 (By similarity). Also down-modulates the host MHC class II proteins cell surface expression (PubMed:12072498). Acts as a neurovirulence factor that has a profound effect on

the growth of the virus in central nervous system tissue, by interacting with host BECN1 and thereby antagonizing the host autophagy response (By similarity).

Cellular Location
Host cytoplasm. Host nucleus. Host nucleus, host nucleolus. Virion. Note=At early times in infection, colocalizes with PCNA and replication proteins in the host cell nucleus, before accumulating in the host cytoplasm by 8 to 12 hours post-infection.

HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HSV 1 Neurovirulence factor ICP34.5 Polyclonal Antibody - Images