

Polyclonal Antibody to Smallpox B5R (180-194) - Purified

Catalog No.:	AP22222PU-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	Vaccinia virus, a member of Poxviridae family, is a dsDNA enveloped virus. It consists of 4 types of virion stages among which extracellular enveloped virus (EEV) is critical for cell-to-cell and long range viral infection. B5R is an EEV-specific Type I membrane glycoprotein essential for EEV formation. It consists of a large ectodomain containing regions similar to SCR domains of complement regulatory proteins followed by a transmembrane region and a cytoplasmic tail. B5R is essential for efficient wrapping of IMV, actin tail formation, normal plaque size, virus virulence, incorporation of the protein into EEV and for EEV formation.
Host:	Rabbit
Immunogen:	Amino acids 180-194 of the B5R protein AA Sequence: HYKKSESESYNELIK Remarks: The amino acid sequence used as immunogen is 100% homologous in human, camel, rabbit and cow, and 93% in monkey.
Format:	State: Liquid Ig fraction Purification: Protein G Chromatography Buffer System: PBS containing 0.2% gelatin and 0.05% sodium azide
Applications:	Western blot: 0.1-1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Smallpox B5R (180-194).
Species Reactivity:	Tested: Camel, Cow, Human, Rabbit Expected from sequence similarity: New World monkey
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Massung,R.F., Loparev,V.N., Knight,J.C., Totmenin,A.V., Chizhikov,V.E., Parsons,J.M., Safronov,P.F., Gutorov,V.V., Shchelkunov,S.N. and Esposito,J.J. Terminal region sequence variations in variola virus DNA. Virology 221 (2), 291-300 (1996).

Pictures:

Western blot analysis of B5R in (A) recombinant fusion protein containing amino acids 180-194 and (B) fusion partner without these amino acids, using AP22222PU-N at 0.1 µg/ml.

