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AP22221PU-N OriGene EU

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Polyclonal Antibody to Smallpox B5R (200-214) -**Purified** AP22221PU-N **Catalog No.: 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-tocell 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 Amino acids 200-214 of the B5R protein Immunogen: AA Sequence: GSDVDKKDTHGNTPF Remarks: The amino acid sequence used as immunogen is 100% homologous in human and camel, and 93% in rabbit, monkey and cow. Format: **State:** Liquid lg fraction Purification: Protein G Chromatography Buffer System: PBS containing 0.2% gelatin and 0.05% sodium azide **Applications:** Western blot: $0.1-1 \mu g/ml$. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Specificity:** This antibody detetcs Smallpox B5R (200-214). Species Reactivity: Tested: Camel, Human Expected from sequence similarity: Cow, New World monkey, Rabbit 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).

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AP22221PU-N: Polyclonal Antibody to Smallpox B5R (200-214) - Purified

Pictures:

Western blot analysis of B5R in (A) recombinant fusion protein containing amino acids 200-214 and (B) fusion partner without these amino acids, using AP22221PU-N at 0.1 µg/ml.



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