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Polyclonal Antibody to Smallpox A27L (18-32) - Purified

Catalog No.: AP22225PU-N

Quantity: 0.1 mg

Concentration: 0.5 mg/ml

Background: Vaccinia virus, a member of Poxviridae family, is a dsDNA enveloped virus. There are two major forms of infectious orthopoxvirus: the intracellular mature virion (IMV), which is infectious when released from disrupted cells, and the extracellular enveloped virion (EEV), which buds from infected cells. A27L is an IMV-specific gene.

Host: Rabbit

Immunogen: Amino acids 18-32 of the A27L protein
AA Sequence:
EFFSTKAAKKPEAKR
Remarks: The amino acid sequence used as immunogen is 100% homologous in human, camel, cow, and rabbit.

Format: **State:** Liquid Ig fraction
Purification: Protein G Chromatography
Buffer System: PBS containing 0.2% gelatin and 0.05% sodium azide

Applications: Western blot analysis: 0.1-1.0 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects Smallpox A27L (18-32).

Species Reactivity: **Tested:** Camel, Cow, Human, 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. Olson VA, Laue T, Laker MT, Babkin IV, Drosten C, Shchelkunov SN, et al. Real-time PCR system for detection of orthopoxviruses and simultaneous identification of smallpox virus. J Clin Microbiol. 2004 May;42(5):1940-6. PubMed PMID: 15131152.

Pictures:

Western blot analysis of A27L in (A) recombinant fusion protein containing amino acids 18-32 and (B) fusion partner without these amino acids, using AP22225PU-N at 0.2 µg/ml.