

## Polyclonal Antibody to Smallpox A27L (42-56) - Purified

<b>Catalog No.:</b>	AP22224PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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.
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Amino acids 42-56 of the A27L protein <b>AA Sequence:</b> DNEETLKQRLTNLEK <b>Remarks:</b> The amino acid sequence used as immunogen is 100% homologous in human, camel, cow, monkey and rabbit.
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> PBS containing 0.2% gelatin and 0.05% sodium azide
<b>Applications:</b>	Western blot: 0.1-1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Smallpox A27L (42-56).
<b>Species Reactivity:</b>	<b>Tested:</b> Camel, Cow, Human, New World monkey, Rabbit
<b>Storage:</b>	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.
<b>General Readings:</b>	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 42-56 and (B) fusion partner without these amino acids, using AP22224PU-N at 0.5 µg/ml.

