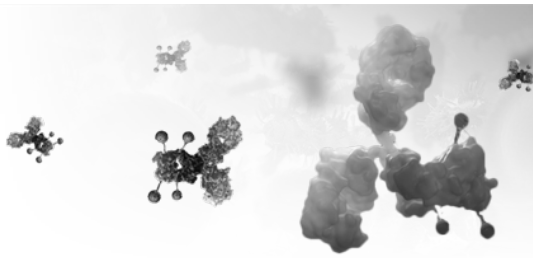

Anti-Vaccinia virus Polyclonal antibody (DPBT-66963RV)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti Vaccinia VirusRabbit Anti Vaccinia Virus
Target	Vaccinia virus
Immunogen	Native, Lister strain
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Vaccinia virus
Conjugate	Unconjugated
Applications	IHC, ELISA
Format	Purified Ig - liquid
Concentration	IgG concentration 1.0 mg/ml
Size	1 ml
Buffer	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted.Avoid repeated freezing and thawing as this may denature the antibody.Should this product contain a precipitate we recommend microcentrifugation before use.

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BACKGROUND

Introduction	Vaccinia virus is an Orthopoxvirus, containing double stranded DNA. Fusion protein plays an important role in the entry of enveloped virus into cells. As vaccinia virus has a wide host range, it is conceivable that certain cellular components that are ubiquitously expressed on the cell mediate virus infection. The study of the entry process, attachment, fusion and the proteins and receptors involved is complex. During vaccinia virus infection, the fusion process is attributed to the action of the 14KDa protein (A27L). The N terminus of this protein recognises heparan sulfate on the cell surface. It interacts with the negative charges of sulfates of glycosaminoglycans (GAGs). Therefore, antibodies that recognize this 14KDa protein are able to neutralize vaccinia virus infection and enable identification other viral and cellular proteins which participate in the vaccinia virus entry process.
Keywords	Vaccinia Virus (Lister Strain); A27L;Orthopoxvirus; Vaccinia Virus; Group I (dsDNA); Unassigned; Poxviridae; Chordopoxvirinae; Orthopoxvirus

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