



# Anti-ORSV polyclonal antibody [AP] (CABT-BL6249)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Antiserum is developed in rabbit using purified virus as immunogen.
<b>Source/Host</b>	Rabbit
<b>Purification</b>	caprylic acid purified
<b>Conjugate</b>	AP
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	200 µl, 1 ml
<b>Buffer</b>	In 0.05 M TRIS buffer, pH 8.0.
<b>Preservative</b>	None
<b>Storage</b>	The antibody should be stored at 2-8°C. For storage longer then one year, the solution may be frozen at -20°C. Repeated freezing and thawing is not recommended. The solution may be frozen in aliquots if necessary. The antibody has a shelf-live of 2 years after date of purchase.

## BACKGROUND

<b>Introduction</b>	Odontoglossum ringspot virus (ORSV) is a plant pathogenic virus. It is one of the most common viruses affecting cultivated orchids, perhaps second only to the Cymbidium mosaic virus. It causes spots on leaves and colored streaks on flowers. If a plant is also infected with the Cymbidium mosaic virus, it can lead to a condition called blossom brown necrotic streak. Its genome has been sequenced and contains approximately 6600 nucleotides organized into four
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open reading frames. Its similarity to other tobamoviruses can be seen from the genetic data and the (limited) ability of a Tobacco mosaic virus modified to contain ORSV movement protein to infect tobacco.[4] However, only about 60% of the nucleotides in ORSV are identical with Tobacco mosaic virus. ORSV belongs to the family of Virgaviridae.

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**Keywords**

Odontoglossum ringspot virus; ORSV; tobacco mosaic virus—orchid strain

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