



# Rabbit Anti-BSV Polyclonal antibody (CABT-CS093)

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

## PRODUCT INFORMATION

Specificity	BSV
Target	BSV
Immunogen	BSV
Source/Host	Rabbit
Species Reactivity	BSV, SCBV
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Buffer	PBS
Preservative	0.02% (w/v) sodium azide
Storage	Store at 2-6°C.

## BACKGROUND

### Introduction

Banana streak virus (BSV) is a pathogenic plant virus of the family Caulimoviridae. Banana streak was first identified in 1958 in Côte d'Ivoire and is now in many countries in the tropics. The primary symptoms of disease are chlorotic streaks on the banana leaves and splitting of their pseudostem. In later stages of the disease, these streaks may become necrotic, and the heart of the pseudostem may rot, ultimately leading to death of the plant.

Although not necessary to complete the life cycle, members of Caulimoviridae (as well as Geminiviridae) have been shown to integrate into their host genomes. When the host is stressed, the integrated genome of BSV may be able to recombine out into its episomal form, though the mechanism is not well understood. While there are several copies of BSV in Musa species, only one appears to be viable in this sense. Other copies have undergone mutations that result in premature stop codons or otherwise render the genome dysfunctional.

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**Keywords**

BSV; Banana streak virus

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