



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-Potato virus V coat protein [scFv40 (SCR40)] Bulk Size Ab03663-23.0-BT

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** scFv40 (SCR40)

**Alternative Name(s) of Target:** PVV; Potato virus V; CP; capsid protein; coat protein; Potato virus V capsid protein; PVXscFv40

**UniProt Accession Number of Target Protein:** Q9ICU1

**Published Application(s):** WB, ELISA

**Published Species Reactivity:** Potato virus V (PVV)

**Immunogen:** The original antibody was raised against a continuous epitope (cryptotope) on disassembled coat protein of potato virus V.

**Specificity:** This antibody binds a continuous epitope (cryptotope) on the coat protein of Potato virus V. Potato virus V (PVV) is a member of the economically significant plant virus genus Potyvirus, family Potyviridae. The virus has flexuous filamentous particle which are approximately 760 nm in length and have a positive-sense RNA genome of ~9851-nucleotides that has a covalently linked 5'-terminal viral protein (VPg) and a 3'-terminal poly A. This strain was found to have deviated from Potato virus Y (PVY) and has subsequently been reported in potato cultivars in Andean region of South America and parts of Europe including Netherlands, Finland, Scotland, Norway and Sweden. PVV is transmitted in a non-persistent manner by aphids.

**Application Notes:** The binding characterization of this antibody to potato virus V coat protein was done using ELISA. This antibody does not cross react with potato virus Y and potato virus X strains. This antibody does not bind whole PVV virions in plate-trapped antigen ELISA. This antibody was capable of detecting potato virus V from infected leaf tissues in a western blot (PMID: 10648933).

**Antibody First Published in:** Hendy et al. Rapid production of single-chain Fv fragments in plants using a potato virus X episomal vector. J Immunol Methods. 1999 Dec 10;231(1-2):137-46. [PMID:10648933](#)

**Note on publication:** Describes the use of PVX vector for the transient expression of an scFv antibody against coat protein of Potato virus V.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.