

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### RPS2 Peptide

Cat No.: BS5908P

#### Background

Bacterial pathogens deliver type III effector proteins into the plant cell during infection. Plants express disease resistance (R) proteins that respond specifically to a particular type III effector by activating immune responses. Resistance proteins guard the plant against pathogens that contain an appropriate avirulence protein via an indirect interaction. RPS2 (resistance to *Pseudomonas syringae* protein 2) is a 909 amino acid plasma membrane protein with leucine-rich repeat, leucine zipper and P loop domains that confers resistance to *Pseudomonas syringae* infection by interacting with the avirulence gene AvrRpt2. Belonging to the disease resistance NB-LRR family, RPS2 directly associates with RIN4, which triggers plant resistance when RIN4 is degraded by AvrRpt2.

#### Swiss-Prot

P15880

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5908 RPS2 pAb.

#### Purification & Purity

Synthetic peptide RPS2. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term.

Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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