**Agrisera**

This product is for research use only (not for diagnostic or therapeutic use)

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**product AS16 3981**

**2b protein [Cucumber mosaic virus]**

**product information**

**Background**

2b protein [Cucumber mosaic virus] is one of the first identified suppressors that could inhibit post-transcriptional gene silencing (PTGS), but with little or no effect on miRNA functions. CMV 2b protein also interferes with miRNA pathways, eliciting developmental anomalies.

**Immunogen**

Recombinant 2b protein [Cucumber mosaic virus] Protein accession number: NP_619631.

**Host**

Rabbit

**Clonality**

Polyclonal

**Purity**

Serum

**Format**

Lyophilized

**Quantity**

50 µl

**Reconstitution**

For reconstitution add 50 µl of sterile water.

**Storage**

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Tested applications**

Western Blot (WB)

**Related products**

AS09 527 | anti-AGO1 | Argonaute 1, rabbit antibody

collection of antibodies to plant viruses

collection of antibodies to microRNA

Plant and algal protein extraction buffer

**Additional information**

This product can be sold containing proclin if requested

**Application information**

**Recommended dilution**

1 : 5000 (WB)

**Expected | apparent MW**

12.7 | 18 kDa

**Confirmed reactivity**

2b protein [Cucumber mosaic virus]

**Not reactive in**

No confirmed exceptions from predicted reactivity are currently known.

**Selected references**


**Application example**
80 µg of Arabidopsis thaliana soluble total cell extract from FNY 2b transgenic plants or the indicated amounts of the untagged recombinant proteins (extracted in 2 x SDS buffer (0.125M Tris pH 6.8, 4% (w/v) SDS, 20% (v/v) glycerol, 0.2M DTT, 0.02% bromophenol blue)) was separated on 15% SDS-PAGE and blotted 1h to PVDF membrane. Filters were blocked 1h with 5% low-fat milk powder in PBS-T (1 X PBS buffer; 0.5% TWEEN20) and probed with the serum of anti-FNY 2b antibody (1:5 000, 1h) and secondary anti-rabbit (1:5000, 1 h) antibody (HRP conjugated) in PBS-T containing 5% low fat milk powder. Antibody incubations were followed by washings in PBS-T. All steps were performed at RT with agitation. Blots were developed for 5 min with ECL-Prime detection reagent according the manufacturer’s instructions. Exposure time was 20 seconds.

Courtesy of Dr. Xiuren Zhang, Texas A&M University, USA