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Datasheet for ABIN7477853
anti-VRN2 antibody

Overview

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|--------------|------------------------------|
| Quantity: | 50 µg |
| Target: | VRN2 |
| Reactivity: | Wheat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | ELISA, Western Blotting (WB) |

Product Details

| | |
|-----------------------------|---|
| Immunogen: | KLH-conjugated synthetic peptide chosen from Triticum aestivum VRN2 sequence |
| Cross-Reactivity (Details): | Not reactive in: no confirmed exceptions from predicted reactivity known in the moment |
| Predicted Reactivity: | Triticum monococcum |
| Characteristics: | Expected / apparent Molecular Weight of the Antigen: 23.7 VRN-2 and ZCCT2 full-length proteins were expressed as GST fusion proteins in E. coli and purified through GST sepharose columns. The purified VRN-2 and ZCCT2 proteins were used to test the specificity of the VRN-2 antibody by Western blot analysis. A Western blot experiment showed that the VRN-2 antibody was able to differentiate VRN-2 from the ZCCT2 protein. |
| Purification: | affinity purified |

Target Details

| | |
|-------------------|--|
| Target: | VRN2 |
| Alternative Name: | VRN2 (VRN2 Products) |

Target Details

Background: Plants with a winter growth habit flower earlier when exposed for several weeks to cold temperatures, a process called vernalization. The wheat vernalization gene VRN-2 is a dominant repressor of flowering that is down-regulated by vernalization. Loss of function of VRN-2, whether by natural mutations or deletions, results in spring lines, which do not require vernalization to flower.

Molecular Weight: 23.7

Application Details

Application Notes: 1: 1000 (WB), 1: 10 000 (ELISA)

Comment: there is some non-specific binding in a western blot when using anti-TaVRN2 antibody on nuclear extracts of *T. monococcum*

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: 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.
Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: 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.
