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Datasheet for ABIN4966066

**anti-Absciscic Acid Insensitive 2 (ABI2) (N-Term) antibody**

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 50 µg                               |
| Target:              | Absciscic Acid Insensitive 2 (ABI2) |
| Binding Specificity: | N-Term                              |
| Reactivity:          | Arabidopsis thaliana                |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Application:         | Western Blotting (WB)               |

## Product Details

|                             |  |
|-----------------------------|--|
| Immunogen:                  | KLH-conjugated synthetic peptide derived from N-terminus of Arabidopsis thaliana ABI2 sequence, UniProt: O04719, TAIR: AT5G57050 chosen peptide is not conserved in ABI1 |
| Cross-Reactivity (Details): | Not reactive in: no confirmed exceptions from predicted reactivity known in the moment   |

## Target Details

|             |   |
|-------------|---|
| Target:     | Absciscic Acid Insensitive 2 (ABI2)   |
| Background: | Protein Absciscic acid-insensitive 2 (ABI2) is a repressor of the ABA signaling pathway, regulating various ABA responses like: stomatal closure, osmotic water permeability of the plasma membrane, high light stress, response to glucose, seed germination and inhibition of vegetative growth. Involved in acquired thermotolerance. Alternative names: ABA INSENSITIVE 2, ABI2, ATABI2, Protein phosphatase 2C 77, AtPP2C77, At5g57050, MHM17_19, MHM17.19, PP2C ABI2. |

## Target Details

|                   |                        |
|-------------------|------------------------|
| Molecular Weight: | 46 kDa                 |
| UniProt:          | <a href="#">O04719</a> |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Optimal working dilution should be determined by the investigator.  |
| Comment:           | ABI2 antibodies recognize recombinant StrepTag-ABI2, ABI2-GST, His-ABI2. ABI2 protein is easily degraded therefore extraction buffer needs to contain protease inhibitors, example of such inhibitor cocktail can be found <a href="#">here</a> . |
| Restrictions:      | For Research Use only   |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | For reconstitution add 50 µL of sterile water.  |
| 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. |