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Datasheet for ABIN1720813
anti-ABI1 antibody

Overview

Quantity:	50 µg
Target:	ABI1
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABI1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	KLH-conjugated peptide, derived from Arabidopsis thaliana ABI1 sequence UniProt: P49597, TAIR: AT4G26080. Chosen peptide is not present in AtABI2.
Specificity:	TAIR: At4g26080
Cross-Reactivity (Details):	Not reactive in: no confirmed exceptions from predicted reactivity known in the moment
Predicted Reactivity:	please, inquire
Purification:	serum

Target Details

Target:	ABI1
Alternative Name:	ABI1 (ABI1 Products)
Background:	ABI1 is a key component and repressor of the abscisic acid (ABA) signaling pathway. It

Target Details

regulates numerous ABA responses, such as stomatal closure, osmotic water permeability of the plasma membrane, drought-induced resistance and rhizogenesis, response to glucose, high light stress, seed germination and inhibition of vegetative growth. Expressed in seeds and seedlings. Confined to lateral root caps and columella cells in roots. Induced by low temperature, drought, high salt, ABA and ethylene. Activates/represses SnRK2.6/SRK2E/OST1 in response to ABA-dependent stimuli. Alternative names: ABI1, ABA INSENSITIVE 1, AtABI1, Protein phosphatase 2C 56, AtPP2C56, PP2C56.

Molecular Weight: 47.5 kDa

UniProt: [P49597](#)

Pathways: [RTK Signaling](#), [Response to Water Deprivation](#), [ER-Nucleus Signaling](#)

Application Details

Application Notes: 3 µg (WB) , 5 µg (IP for a 200 µL of a cell extract)

Comment: Important note: blocking with more than 3 % skimmed milk will result in lack of signal for this antibody.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: For reconstitution add 50 µL of sterile water.

Handling Advice: 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.

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.