

Anti-ABI2 Antibody

Catalog # AP54151

Product Information

Application	WB
Primary Accession	O04719
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46306

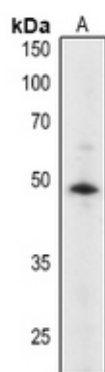
Additional Information

Gene ID	835809
Other Names	PP2C77; Protein phosphatase 2C 77; AtPP2C77; Protein ABSCISIC ACID-INSENSITIVE 2; Protein phosphatase 2C ABI2; PP2C ABI2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of arabidopsis thaliana ABI2. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ABI2 {ECO:0000303 PubMed:9165752}
Function	Repressor of the abscisic acid (ABA) signaling pathway that regulates numerous ABA responses, such as stomatal closure, osmotic water permeability of the plasma membrane (Pos), high light stress, response to glucose, seed germination and inhibition of vegetative growth. During the stomatal closure regulation, modulates the inward calcium-channel permeability as well as H(2)O(2) and oxidative burst in response to ABA and dehydration. Represses GHR1 and, to some extent, SRK2E/OST1, kinases involved in the regulation of SLAC1-dependent stomatal closure (PubMed: 22730405). Controls negatively fibrillin that is involved in mediating ABA-induced photoprotection. May be implicated in ABA content regulation. Involved in acquired thermotolerance of root growth and seedling survival. Required for the Erwinia amylovora harpin-induced (HrpN) drought tolerance. Involved in the hydrotropic response.

Images



Western blot analysis of ABI2 expression in *arabidopsis thaliana* (A) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 46 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.