

ARG67157
anti-ABI5 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ABI5
Tested Reactivity	Arabi
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ABI5
Species	Plant
Immunogen	Synthetic peptide corresponding to N-terminus of arabidopsis thaliana ABI5 protein.
Conjugation	Un-conjugated
Alternate Names	BZIP39; DPBF1; GIA1; NEM1; Protein ABSCISIC ACID-INSENSITIVE 5; Dc3 promoter-binding factor 1; AtDPBF1; Protein GROWTH-INSENSITIVITY TO ABA 1; bZIP transcription factor 39; AtbZIP39

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	47 kDa	

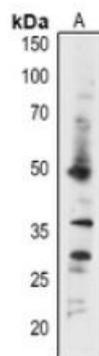
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ABI5
Gene Full Name	Basic-leucine zipper (bZIP) transcription factor family protein
Background	Encodes a member of the basic leucine zipper transcription factor family, involved in ABA signalling during seed maturation and germination. The Arabidopsis abscisic acid (ABA)-insensitive <i>abi5</i> mutants have pleiotropic defects in ABA response, including decreased sensitivity to ABA inhibition of germination and altered expression of some ABA-regulated genes. Comparison of seed and ABA-inducible vegetative gene expression in wild-type and <i>abi5-1</i> plants indicates that ABI5 regulates a subset of late embryogenesis-abundant genes during both developmental stages.
Function	Participates in ABA-regulated gene expression during seed development and subsequent vegetative stage by acting as the major mediator of ABA repression of growth. Binds to the embryo specification element and the ABA-responsive element (ABRE) of the <i>Dc3</i> gene promoter and to the ABRE of the <i>Em1</i> and <i>Em6</i> genes promoters. Can also trans-activate its own promoter, suggesting that it is autoregulated. Plays a role in sugar-mediated senescence. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG67157 anti-ABI5 antibody WB image

Western blot: Arabidopsis thaliana stained with ARG67157 anti-ABI5 antibody.