



Rabbit anti-Arabidopsis thaliana PIF4 (C-term) Polyclonal Antibody (CABT-Z114R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana PIF4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	Predicted M.W.: 48 kDa; Observed M.W.: 65 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana PIF4 (At2g43010).
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN ₃ .
Preservative	0.01% NaN ₃

Storage	Store at -20°C. Stable for 6 months from date of receipt.
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Ship	Wet ice
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BACKGROUND

Introduction	Transcription factor PIF4 is isolated as a semidominant mutation defective in red -light responses. PIF4 is a nuclear localized bHLH protein that interacts with active PhyB protein and it negatively regulates phyB mediated red light responses. PIF4 is also involved in shade avoidance response. PIF4 may regulate the expression of a subset of genes involved in cell expansion by binding to the G-box motif. Protein expression of PIF4 is negatively regulated by PhyB.
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Keywords	Transcription factor PIF4;Basic helix-loop-helix protein 9;AtbHLH9;bHLH 9;Phytochrome-interacting factor 4;Short under red-light 2;Transcription factor EN 102;bHLH transcription factor bHLH009;BHLH9;EN102;SRL2;MFL8.13
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GENE INFORMATION

Gene Name	PIF4
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Entrez Gene ID	818903
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UniProt ID	Q8W2F3
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