



Rabbit anti-Arabidopsis thaliana PIF5 (N-term) Polyclonal Antibody (CABT-Z117R)

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 N-terminal region of arabidopsis thaliana PIF5.
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.: 49 kDa; Observed M.W.: 58 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana PIF5 (AT3G59060).
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	PIF5 is a transcription factor acting negatively in the phytochrome B signaling pathway to promote the shade-avoidance response. PIF5 regulates PHYB abundance at the post-transcriptional level, possibly via the ubiquitin-proteasome pathway. PIF5 promotes ethylene activity in the dark. PIF5 may regulate the expression of a subset of genes by binding to the G-box motif. PIF5 might be involved in the integration of light-signals to control both circadian and photomorphogenic processes.
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Keywords	Transcription factor PIF5;Basic helix-loop-helix protein 65;AtbHLH65;bHLH 65;Phytochrome interacting factor-like 6;Phytochrome-interacting factor 5;Transcription factor EN 103;bHLH transcription factor bHLH065;BHLH65;EN103;PIL6;At3g59060;F17J16.110
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GENE INFORMATION

Gene Name	PIF5
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Entrez Gene ID	825075
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UniProt ID	Q84LH8
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