



# Rabbit anti-Arabidopsis thaliana TFPIF1 (N-term) Polyclonal Antibody (CABT-Z111R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana TFPIF1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
<b>Molecular Weight</b>	Predicted M.W.: 53 kDa; Observed M.W.: 57, 63 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana TFPIF1 (AT2G20180).
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN <sub>3</sub> .
<b>Preservative</b>	0.01% NaN <sub>3</sub>

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

<b>Introduction</b>	PIF1 is a transcription activator. PIF1 regulates negatively chlorophyll biosynthesis and seed germination in the dark, and light-induced degradation of PIF1 relieves this negative regulation to promote photomorphogenesis. PIF1 binds to the G-box motif (5'-CACGTG-3') found in many light-regulated promoters. PIF1 promotes the expression of SOM, and thus modulates responses to abscisic acid (ABA) and gibberellic acid (GA).
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<b>Keywords</b>	Transcription factor PIF1;Basic helix-loop-helix protein 15;AtbHLH15;bHLH 15;Protein PHY-INTERACTING FACTOR 1;Protein PHYTOCHROME INTERACTING FACTOR 3-LIKE 5;Transcription factor EN 101;bHLH transcription factor bHLH015;At2g20180;BHLH15;EN101;PIL5;T2G17.2
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## GENE INFORMATION

<b>Gene Name</b>	PIF1
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<b>Entrez Gene ID</b>	<a href="#">816538</a>
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<b>UniProt ID</b>	<a href="#">Q8GZM7</a>
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