



Rabbit anti-Arabidopsis thaliana HY5 (N-term) Polyclonal Antibody (CABT-Z084R)

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 HY5.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1,000-1:3,000 (detect endogenous protein*)
Molecular Weight	Predicted M.W.: 18 kDa; Observed M.W.: 18, 30 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana HY5 (At5g11260).
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 HY5 is a nuclear protein that belongs to the bZIP family, which promotes photomorphogenesis in light. HY5 acts downstream of the light receptor network and directly affects transcription of light-induced genes. HY5 is specifically involved in the blue light specific pathway, suggesting that it participates in transmission of cryptochromes (CRY1 and CRY2) signals to downstream responses. In darkness, its degradation prevents the activation of light-induced genes.
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Keywords	Transcription factor HY5;Protein LONG HYPOCOTYL 5;bZIP transcription factor 56;AtbZIP56;BZIP56
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GENE INFORMATION

Gene Name	HY5
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Entrez Gene ID	830996
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UniProt ID	O24646
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