



[Go to Product page](#)

Datasheet for ABIN4966286  
**anti-HY5 antibody**

### Overview

Quantity:	50 µg
Target:	HY5
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

### Product Details

Immunogen:	KLH-conjugated peptide, derived from Arabidopsis thaliana HY5 protein sequence, UniProt:O24646 , TAIR: AT5G11260. Chosen peptide is not conserved in HYH protein sequence.
Cross-Reactivity (Details):	Not reactive in: Oryza sativa, Pisum sativum, Populus sp.
Predicted Reactivity:	Brassica pekinensis

### Target Details

Target:	HY5
Alternative Name:	Protein long hypocotyl 5 (HY5) ( <a href="#">HY5 Products</a> )
Background:	HY5 (Protein long hypocotyl 5) is a light-regulated transcription factor that promotes photomorphogenesis in light. Involved in the blue light specific pathway. Heterodimer. Expressed in root, hypocotyl, cotyledon, leaf, stem and floral organs. Localized in nucleus. Alternative names: Protein LONG HYPOCOTYL 5, bZIP transcription factor 56, AtbZIP56.
Molecular Weight:	18.5 kDa

## Target Details

---

UniProt: [O24646](#)

## Application Details

---

Application Notes: 1: 1000 (WB)

Comment: This antibody detects well recombinant HY5 in *Nicotiana benthamiana* (image below) while a signal in endogenous total cell extract of *Arabidopsis thaliana* has not been optimized in applied conditions (as below). Using nuclear fraction for detection of endogenous protein is recommended, however it has not been optimized yet.

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Reconstitution: Please add 50  $\mu$ L of sterile water For reconstitution

Storage: -20 °C

Storage Comment: store lyophilized/reconstituted at -20°C, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.