



Datasheet for ABIN4966286 anti-HY5 antibody

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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) ([HY5 Products](#))

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: [024646](#)

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 optimised 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 µL 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.