

PHYA Rabbit pAb

Catalog No.: A21287

Basic Information

Observed MW

Refer to figures

Calculated MW

125kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Arabidopsis thaliana

Background

Light-labile cytoplasmic red/far-red light photoreceptor involved in the regulation of photomorphogenesis. It exists in two inter-convertible forms: Pr and Pfr (active) and functions as a dimer. The N terminus carries a single tetrapyrrole chromophore, and the C terminus is involved in dimerization. It is the sole photoreceptor mediating the FR high irradiance response (HIR). Major regulator in red-light induction of phototropic enhancement. Involved in the regulation of de-etiolation. Involved in gravitropism and phototropism. Requires FHY1 for nuclear accumulation.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

837483

Swiss Prot

P14712

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ELONGATED HYPOCOTYL 8; F14J9.23; F14J9_23; FAR RED ELONGATED 1; FAR RED ELONGATED HYPOCOTYL 2; FHY2; FRE1; HY8; phytochrome A; PHYA

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.