

# PIF4 Rabbit pAb

Catalog No.: A20725 **3 Publications**

## Basic Information

### Observed MW

55kDa

### Calculated MW

48kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Arabidopsis thaliana

## Background

Isolated as a semidominant mutation defective in red -light responses. Encodes a nuclear localized bHLH protein that interacts with active PhyB protein. Negatively regulates phyB mediated red light responses. Involved in shade avoidance response. Protein abundance is negatively regulated by PhyB.

## Recommended Dilutions

**WB** 1:500 - 1:1000

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

## Immunogen Information

### Gene ID

818903

### Swiss Prot

Q8W2F3

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

AtPIF4; MFL8.13; MFL8\_13; phytochrome interacting factor 4; SRL2; PIF4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

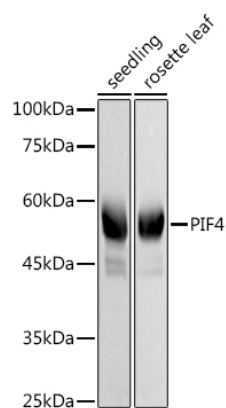
### Storage

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

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various tissues from *Arabidopsis thaliana*, using PIF4 Rabbit pAb (A20725) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.