

# MYC2 Rabbit pAb

Catalog No.: A20774

## Basic Information

### Observed MW

75kDa

### Calculated MW

68kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Arabidopsis thaliana, Other (Wide Range Predicted)

## Background

Encodes a MYC-related transcriptional activator with a typical DNA binding domain of a basic helix-loop-helix leucine zipper motif. Binds to an extended G-Box promoter motif and interacts with jasmonate ZIM-domain proteins. Its transcription is induced by dehydration stress and ABA treatment. Negative regulator of blue light-mediated photomorphogenic growth and blue and far-red-light-regulated gene expression. Positive regulator of lateral root formation. Regulates diverse JA-dependent functions. Negatively regulates Trp metabolism and biosynthesis of Trp-derived secondary metabolites. Positively regulates flavonoid biosynthesis, resistance to insects, and response to oxidative stress. Regulates other transcription factors, and negatively regulates its own expression.

## Recommended Dilutions

WB 1:100 - 1:500

## Immunogen Information

### Gene ID

840158

### Swiss Prot

Q39204

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 60-254 of Arabidopsis thaliana MYC2 (NP\_174541.1).

### Synonyms

ATMYC2; F6N18.4; F6N18\_4; JAI1; JASMONATE INSENSITIVE 1; JIN1; RD22BP1; ZBF1; MYC2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

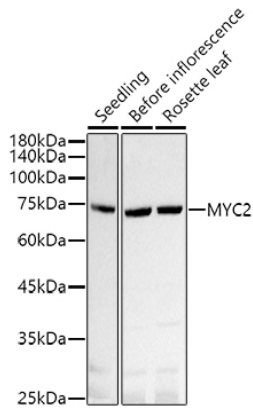
### Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various tissues from *Arabidopsis thaliana*, using MYC2 Rabbit pAb (A20774) at 1:500 dilution.

Secondary antibody: HRP 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: 30s.