

# D27 Rabbit pAb

Catalog No.: A20706

## Basic Information

### Observed MW

31kDa

### Calculated MW

31kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Oryza sativa

## Background

Involved in strigolactones biosynthesis by catalyzing the isomerization of the C9-C10 double bond in all-trans-beta-carotene leading to 9-cis-beta-carotene and providing the substrate for CCD7. Strigolactones are hormones that inhibit tillering and shoot branching through the MAX-dependent pathway, contribute to the regulation of shoot architectural response to phosphate-limiting conditions and function as rhizosphere signals that stimulate hyphal branching of arbuscular mycorrhizal fungi and trigger seed germination of root parasitic weeds.

## 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

107276001

### Swiss Prot

C7AU21

### Immunogen

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

### Synonyms

D27; DWARF27

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

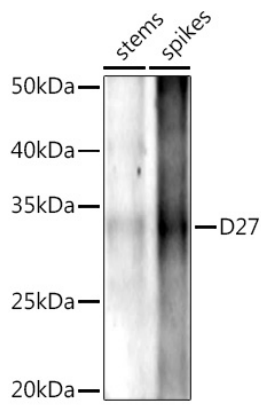
Affinity purification

### Storage

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

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

Validation Data



Western blot analysis of extracts of various tissues from the japonica rice (*Oryza sativa* L.) variety Zhonghua 11, using D27 Rabbit pAb (A20706) 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 Enhanced Kit (RM00021).  
Exposure time: 120s.