

# OsGRF4 Rabbit pAb

Catalog No.: A20348 **1 Publications**

## Basic Information

### Observed MW

40kDa

### Calculated MW

42kDa

### Category

Primary antibody

### Applications

ELISA,WB

### Cross-Reactivity

Oryza sativa

## Background

Transcription activator that plays a role in the regulation of meristematic function in leaves, stems and inflorescences. Transcription activator that plays a regulatory role in grain development. Positively regulates grain size by promoting cell division and expansion, leading to increased grain length and width. Positively regulates the expression of genes promoting cell proliferation. Activates the expression of expansin genes to promote cell expansion and grain size. May promote grain size by activating brassinosteroid responses. Component of a network formed by the microRNA396 (miRNA396), the GRFs and their interacting factors (GIFs) acting in the regulation of meristem function, at least partially through the control of cell proliferation (Probable). Component of the miRNA396c-GRF4-GIF1 regulatory module that plays an important role in grain size determination.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

4330436

### Swiss Prot

Q6ZIK5

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 120-394 of Oryza sativa OsGRF4. (Q6ZIK5).

### Synonyms

GL2; GS2; PT2; GLW2; GRF4; grf2; OsGRF4; Osj\_08054; OJ1111\_E07.19

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

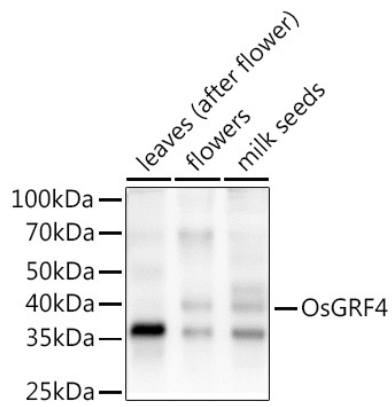
### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various tissues from the japonica rice (*Oryza sativa* L.) variety Zhonghua 11, using OsGRF4 Rabbit pAb (A20348) at 1:1000 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 Enhanced Kit (RM00021).

Exposure time: 30s.