

DEP1 Rabbit pAb

Catalog No.: A19181

Basic Information

Observed MW

50kDa/60kDa

Calculated MW

45kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Oryza sativa

Background

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems (Probable). The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction (Probable). Involved in the regulation of plant architecture, panicle erectness, panicle and grain length, grain weight, and grain yield. Involved in the regulation of grain size.

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

4347178

Swiss Prot

Q67UU9

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of Oryza sativa DEP1. (Q67UU9).

Synonyms

DN1; DEP1; pay1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

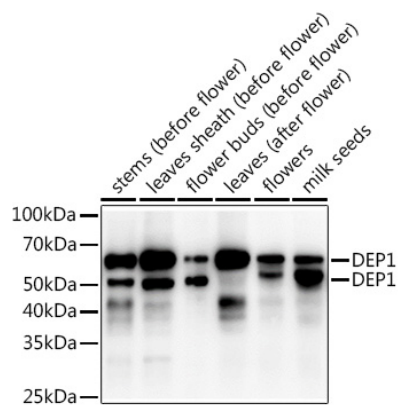
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various tissues from the japonica rice (*Oryza sativa* L.) variety Zhonghua 11, using DEP1 Rabbit pAb (A19181) 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: 30s.