

RGL2 | RGA-like protein 2 (DELLA protein)

Cat PA01556

Size 50 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana

Immunogen

KLH-conjugated synthetic peptide derived from Arabidopsis thaliana RGL2 protein, UniProt: Q8GXW1, TAIR: At3g03450

Host

Rabbit

Clonality

Polyclonal

Purity

Immunogen affinity purified serum in PBS pH 7.4.

Format

Lyophilized

Reconstitution

For reconstitution add 50 µl of sterile water

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

Immunolocalization (IL), Western blot (WB)

Recommended dilution

1 : 1000 (WB), transfected Arabidopsis thaliana protoplasts

Expected | apparent MW

60 kDa

Confirmed reactivity

Arabidopsis thaliana

Not reactive in

Brassica napus, Populus sp., Triticum sp.

Additional information

As this protein is expressed in tissue in very low levels, please load at least 50 µg/well. Recommended extraction

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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and denaturation protocol: Arabidopsis thaliana seedlings are ground in liquid nitrogen (100 µl of 2.5 x Laemli for 80-120 mg of homogenized material) and boiled for 2 min. at 95°C in 2,5x Laemmli Buffer (with 60 Mm DTT final concentration) otherwise RGA protein will degrade.

Description

DELLA protein RGL2 may be a transcriptional regulator acting as a suppressor of gibberellin (GA) signaling pathway. Involved in abscisic acid (ABA) biosynthesis, delays flowering and leaf production, regulates flower development, petal, stamen and anther development. It is mainly expressed in germinated seeds, flowers and stamens. Synonyms :GRAS family protein 15, atgrass-15, straw hominoid protein 19,AtSCL19.

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