

GPA1 | Guanine nucleotide-binding protein subunit alpha 1 (affinity purified)

Cat PA00462

Size 50 µg

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana

Immunogen

KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* GPA1, UniProt: P18064, TAIR: AT2G26300

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

Western blot (WB)

Recommended dilution

1 : 4000 (WB)

Expected | apparent MW

49,3 kDa

Confirmed reactivity

Arabidopsis thaliana

Predicted reactivity

Brassica napus, *Capsicum annuum*, *Cynara cardunculus* var. *scolymus*, *Eschscholzia californica*, *Glycine max*, *Gossypium hirsutum*, *Hordeum vulgare*, *Lupinus luteus*, *Medicago truncatula*, *Morus notabilis*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Oryza sativa*, *Pisum sativum*, *Phaseolus vulgaris*, *Populus trichocarpa*, *Ricinus*

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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communis, Solanum lycopersicum, Solanum tuberosum, Sorghum bicolor, Spinacia oleracea, Theobroma cacao, Triticum aestivum, Zostera marina, Vitis vinifera

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

This product can be sold containing proclin if requested, The nature of a 37 kDa cross-reacting band is not known,

Description

GPA1 (G-protein alpha-1) is a modulator or transducer for a variety of transmembrane signaling systems. Together with GCR1, it may regulate the cell cycle through a signaling cascade that promotes the cell-protecting abscisic acid (ABA) response. However, together with GCR1 and GB1, they act as negative regulators of ABA during seed germination and early seedling development. Participate in blue light (BL) signals. Alias :GP-alpha-1.

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