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RGA1 Rabbit pAb

Catalog No.: A19214

Basic Information

Observed MW
44.2kDa

Calculated MW
44kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Oryza sativa

Background

This? gene Ubiquitous expression in leaves before flowering (RPKM 48.7), leaves after flowering (RPKM 36.4) and 6 other tissues. It encodes protein Alpha subunit of G proteins (guanine nucleotide binding). G-alpha has three isomers, guanine nucleotide-binding protein alpha-1 subunit isoform X1□guanine nucleotide-binding protein alpha-1 subunit isoform X2□and guanine nucleotide-binding protein alpha-1 subunit isoform X3.RGA1 is one of the regulators in salt response partially through ROS scavenging, which might be helpful in elucidating salt tolerant mechanisms of heterotrimeric G protein in rice(PMID 30621186). The α-subunit of the rice heterotrimeric G protein, RGA1, regulates drought tolerance during the vegetative phase in the dwarf rice mutant d1 (PMID 27194741).? The Gα heterotrimeric G protein subunit, RGA1,? plays an important role in regulating photoprotection and photoprotection of rice (PMID 29216416).

Recommended Dilutions

WB	1:500 - 1:2000

Immunogen Information

Gene ID
4338448

Swiss Prot
Q0DJ33

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 22-230 of Oryza sativa RGA1. (Q0DJ33).

Synonyms
D1; GA1; GPA1; RGA1; GP-alpha-1; OJ1005_D04.15

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

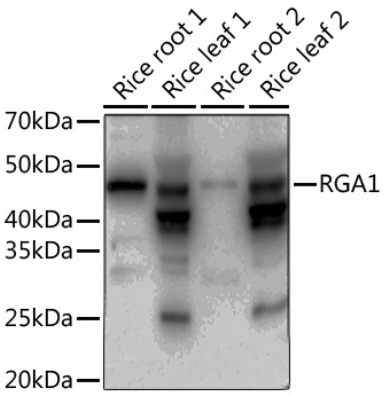
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using RGA1 Rabbit pAb (A19214) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:8000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.