

CAB19214

Product Information

Product SKU:	CAB19214	Gene ID:	4338448	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Oryza sativa

Additional Information

Observed MW:	44.2kDa	Conjugate:	-
Calculated MW:	44kDa	Isotype:	IgG

Immunogen Information

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 $G\alpha$ heterotrimeric G protein subunit, RGA1,? plays an important role in regulating photoprotection and photoprotection of rice (PMID 29216416).

Recommended Dilution: WB,1:500 - 1:2000

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

Purification Method: Affinity purification

Immunogen: Recombinant protein of Oryza sativa RGA1.

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