GDP-L-Galactose Phosphorylase

Cat *PA00539*

Size *200 µl*

CD BioSciences
Plant Protein

Host
Rabbit

Clonality
Polyclonal

Confirmed reactivity
Arabidopsis thaliana, Brassica oleracea var. italica, Brassica rapa var. komatsuna, Citrus limon, Nicotiana tabacum, Spinacia oleracea, Zea mays, Chlamydomonas reinhardtii

Immunogen
KLH-conjuated synthetic peptide derived from known GDP-L-Galactose Phosphorylase sequences, including Arabidopsis thaliana Q8LKQ7 (At4g26850) and Chlamydomonas reinhardtii

Host
Rabbit

Clonality
Polyclonal

Purity
Serum

Format
Lyophilized

Reconstitution
For reconstitution add 200 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 : 1200 , 1 : 3000 (WB)

Expected | apparent MW
51 | 50 kDa

Confirmed reactivity
Arabidopsis thaliana, Brassica oleracea var. italica, Brassica rapa var. komatsuna, Citrus limon, Nicotiana tabacum, Spinacia oleracea, Zea mays, Chlamydomonas reinhardtii

Predicted reactivity
Manihot esculenta, Sorghum bicolor, Oryza sativa, Physcomitrium patens

Not reactive in
No confirmed exceptions from predicted reactivity are currently known

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
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Description

Gdp-l-galactose phosphorylase is a histidine trimer (HIT) enzyme involved in the Smirnoff Wheeler pathway of plant ascorbic acid synthesis. It is encoded by the VTC2 gene. This enzyme catalyzes the conversion of GDP-L-galactose to L-galactose 1-phosphate, consuming inorganic phosphate and producing GDP.

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