

Anti-GRF-pan Antibody

Catalog # AP54164

Product Information

Application	WB
Primary Accession	P42643
Other Accession	Q01525 , P42644 , P46077 , P42645 , P48349 , Q96300 , P48348 , Q96299
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29932

Additional Information

Gene ID	826479
Other Names	GRF1; At4g09000; F23J3.30; 14-3-3-like protein GF14 chi; General regulatory factor 1; GRF2; GF14; At1g78300; F3F9.16; 14-3-3-like protein GF14 omega; General regulatory factor 2; GRF3; RCI1A; At5g38480; MXI10.21; 14-3-3-like protein GF14 psi; General regulatory factor 3; Protein RARE COLD INDUCIBLE 1A; GRF4; At1g35160; T32G9.30; 14-3-3-like protein GF14 phi; General regulatory factor 4; GRF5; At5g16050; F1N13_190; 14-3-3-like protein GF14 epsilon; General regulatory factor 5; GRF6; AFT1; RCI2; At5g10450; F12B17_200; 14-3-3-like protein GF14 lambda; 14-3-3-like protein AFT1; 14-3-3-like protein RCI2; General regulatory factor 6; GRF7; At3g02520; F16B3.15; 14-3-3-like protein GF14 nu; General regulatory factor 7; GRF8; At5g65430; MNA5.16; 14-3-3-like protein GF14 kappa; General regulatory factor 8; GRF9; At2g42590; F14N22.14; 14-3-3-like protein GF14 mu; General regulatory factor 9
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of arabidopsis thaliana GRF-pan. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

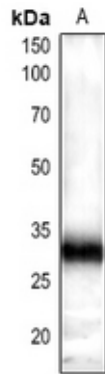
Name	GRF1
Function	Is associated with a DNA binding complex that binds to the G box, a well-characterized cis-acting DNA regulatory element found in plant genes.

Involved in the regulation of nutrient metabolism (PubMed:[22104211](#)).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P48349}. Cytoplasm {ECO:0000250|UniProtKB:P48349}. Note=Translocates from the cytosol to the nucleus when phosphorylated. {ECO:0000250|UniProtKB:P48349}

Images



Western blot analysis of GRF-pan expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 30 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.