

Anti-CFBP1 Antibody

Catalog # AP54156

Product Information

Application	WB
Primary Accession	P25851
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45162

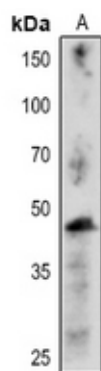
Additional Information

Gene ID	824572
Other Names	FBP; HCEF1Fructose-1-6-bisphosphatase 1 chloroplastic; FBPase1; D-fructose-1; 6-bisphosphate 1-phosphohydrolase; Protein HIGH CYCLIC ELECTRON FLOW 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of arabidopsis thaliana CFBP1. 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	CFBP1 {ECO:0000303 PubMed:25743161}
Function	Catalyzes the irreversible reaction from fructose-1,6- bisphosphate to fructose-6-phosphate and inorganic phosphate, to regenerate the primary CO(2) acceptor molecule, ribulose-1,5- bisphosphate (Probable). Involved in the regulation of photosynthetic electron flow and sucrose synthesis (PubMed: 15448173 , PubMed: 20081115). Its activity is critical for normal plant development and important for the regulation of a wide range of metabolic processes (PubMed: 25743161).
Cellular Location	Plastid, chloroplast stroma.

Images



Western blot analysis of CFBP1 expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 45 kD)

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