

ARG67161 anti-CFBP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CFBP1
Tested Reactivity	Arabi
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CFBP1
Species	Plant
Immunogen	Synthetic peptide corresponding to center region of arabidopsis thaliana CFBP1 protein.
Conjugation	Un-conjugated
Alternate Names	FBP; HCEF1Fructose-1-6-bisphosphatase 1 chloroplastic; FBPase1; D-fructose-1; 6-bisphosphate 1-phosphohydrolase; Protein HIGH CYCLIC ELECTRON FLOW 1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	45 kDa	

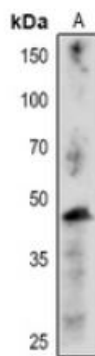
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CFBP1
Gene Full Name	Fructose-1,6-bisphosphatase 1, chloroplastic
Background	Encodes a chloroplastic fructose 1,6-bisphosphate phosphatase. also known as HCEF1 (High Cyclic Electron Flow 1). hcef1 mutants have constitutively elevated electron flow (CEFI) and plants with antisense suppression of this enzyme have higher levels of net leaf photosynthesis and increased sucrose biosynthesis.
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). [UniProt] Involved in the regulation of photosynthetic electron flow and sucrose synthesis. [UniProt]
Calculated Mw	45 kDa
Cellular Localization	Plastid, chloroplast stroma. [UniProt]

Images



ARG67161 anti-CFBP1 antibody WB image

Western blot: *Arabidopsis thaliana* stained with ARG67161 anti-CFBP1 antibody.