

## Anti-Ferritin-1, chloroplastic antibody

Catalog: PHY7198A

## **Product Information**

Description:	Rabbit polyclonal antibody	
Background:	FER1 is a ferretin protein that is targeted to the chloroplast. It stores iron in a	
	soluble, non-toxic, readily available form and is important for iron homeostasis.	
Synonyms:	FER1, ARABIDOPSIS THALIANA FERRETIN 1, ATFER1, FERRETIN 1	
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from	
	Arabidopsis thaliana FER1 (AT5G01600).	
Form:	Lyophilized	
Quantity:	150 µg	
Purification:	Immunogen affinity purified	
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l of sterile 1XPBS (PH=7.4) containing 30% glycerol.	
	"Note: please spin tube briefly prior to opening it to avoid any losses that might	
	occur from lyophilized material adhering to the cap or sides of the tube".	
Stability &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
Storage:	12 months from date of receipt, -20 to -70°C as supplied.	
	6 months, -20 to -70°C under sterile conditions after reconstitution.	
	1 month, 2 to 8°C under sterile conditions after reconstitution.	
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the	
	temperature recommended above.	

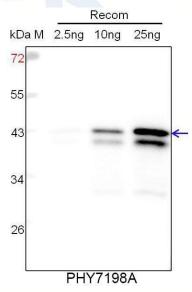
## **Application Information**

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000)
	Note: Optimal dilutions/concentrations should be determined by the
	end user.
Expected / apparent MW:	28 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used
	for immunization is 80-99% homologues with the sequence in
	Brassica napus.
	For more species homologues information, please contact tech
	support at <u>tech@phytoab.com</u> .

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## **Application Example**



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 43 kDa.
Electrophoresis: 12% SDS-PAGE
Transfer: blotting to NC (nitrocellulose) membrane for 1 h.
Blocking: 5% skim milk at RT or 4°C for 1 h.
Primary antibody: 1:1000 dilution overnight at 4°C.
Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).
Detection: using chemiluminescence substrate and image were captured with CCD camera.



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