Anti-PBP1 C-terminal (At) antibody, rabbit polyclonal

Product code	81-113
Size	200 µg
Storage	-20℃
Concentration	2.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Synthetic peptide C-YDKSPEEVTGEEHGK, corresponding to PBP1 protein (193-207 amino acids) of *Arabidosis thaliana.*
Isotype	Rabbit IgG
Reactivity	Arabidopsis thaliana. Not tested in other species.
Special notes	N/A
Application	1. Western blotting (1/2,000-1/6,000) 2. Immunofluorescent staining (1/500)
Background	PBP1 (PYK10-binding protein 1) is inhibitor-type lectin that may regulate the correct polymerization of BGLU23/PYK10 upon tissue damage. Activates BGLU21, BGLU22 and BGLU23/PYK10. Length; 298 amino acids. Mass (Da); 32,158 Subcellular location: Cytoplasm
Data Link	UniProtKB O04314(JAL30_ARATH)

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

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Data Images: 81-113 Anti-PBP1 C-terminal (At) antibody, rabbit polyclonal

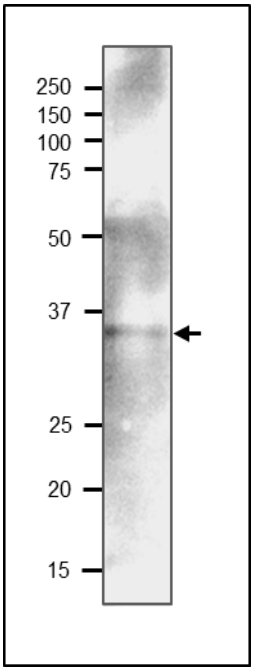

Fig.1 Western blot of PBP1 in extract of seedling of arabidopsis

Crude extract of 7-day-old seedling of *Arabidopsis thaliana* was run on 12.5% SDS-PAGE at 15 V and blotted overnight to PVDF membrane by wet system. Blocking was done with 3% skim milk. The anti-PBP1 C-termianl antibody was used at 1µg/ml . Secondary antibody (goat anti-rabbit IgG antibody HRP-conjugated, ab97051) was used at 1/10,000 dilution.

Reference. This antibody was described in Ref.1 and used in the following publications.

1. Nagano AJ et al. Activation of an ER-body-localized beta-glucosidase via a cytosolic binding partner in damaged tissues of Arabidopsis thaliana. Plant Cell Physiol. 2005 Jul;46(7):1140-8. PMID: 15919674. **WB, IF (Arabidopsis)**

Related Products

81-112 Anti-PBP1 N-terminal (At) antibody, rabbit polyclonal

81-116 Anti-PYK10 C-terminal (At) antibody, rabbit polyclonal

81-117 Anti-PYK10 Internal (At) antibody, rabbit polyclonal

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