

Anti-PYK10 / β -Galactosidase C-terminal (At) antibody, rabbit polyclonal

Product code	81-116
Size	100 μ g
Storage	-20°C
Concentration	2.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Synthetic peptide C-DGYKNRFGLYYVDFKNNLTRYEKESGKYY, corresponding to C-terminal region of PYK10 protein (478-506 amino acids) of <i>Arabidopsis thaliana</i> .
Isotype	Rabbit IgG
Reactivity	Arabidopsis thaliana. Not tested in other species.
Special notes	N/A
Application	1. Western blotting (1/5,000-1/20,000) 2. Immunohistochemistry (1/500-1/1,000)
Background	PYK10 is the main component of ER bodies. It has hydrolase activity, hydrolyzing O-glycosyl compounds It may produce defense compounds when plants are damaged by insects or wounding. Length:524 amino acids. Mass: 59,721. The signal sequence, N-terminal 24 amino acids is removed in the mature protein. It has ER retention signal, KDEL, at C-terminus. Subcellular localization: ER bodies.
Data Link	UniProtKB A0A178VCN3 (A0A178VCN3_ARATH). UniProtKB Q9SR37 (BGL23_ARATH)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 81-116 Anti-PYK10 / β -Galactosidase C-terminal (At) antibody, rabbit polyclonal

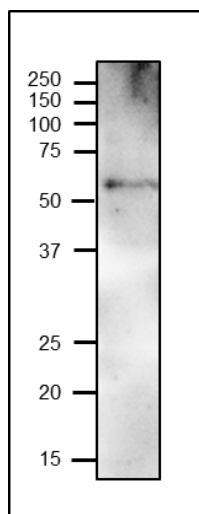


Fig.1 Western blot of PYK10 in extract of seedlings of arabidopsis

Crude extract of 7-day-old seedlings of *Arabidopsis thaliana* was run on SDS-PAGE (12.5% gel) and blotted to PVDF membrane by semi-dry system. Blocking was done with 3% skim milk. The anti-PYK10 C-terminal antibody was used at 0.4 μ g/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. Matsushima R et al. A novel ER-derived compartment, the ER body, selectively accumulates a beta-glucosidase with an ER-retention signal in Arabidopsis [Plant J.](#) 2003 Feb;33(3):493-502. PMID: [12581307](#).WB, IHC (arabidopsis)

Related Products

- 81-101 Anti-MEB1 (At) antibody, rabbit polyclonal
- 81-102 Anti-MEB2 (At) antibody, rabbit polyclonal
- 81-103 Anti-NAI2 (Δ SP) antibody, rabbit polyclonal
- 81-104 Anti-NAI2 C-terminal (At) antibody, rabbit polyclonal
- 81-105 Anti-BGLU18 (At) antibody, rabbit polyclonal
- 81-112 Anti-PBP1 N-terminal (At) antibody, rabbit polyclonal
- 81-113 Anti-PBP1 C-terminal (At) antibody, rabbit polyclonal
- 81-117 Anti-PYK10 Internal (At) antibody, rabbit polyclonal