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Product no AS20 4410

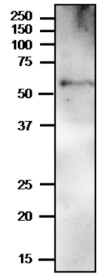
Anti-PYK10 | Beta-Galactosidase (C-terminal)

Product information

Immunogen	Conjugated peptide, derived from *Arabidopsis thaliana* C-terminal of PYK10, UniProt: A0A178VCN3, TAIR: AT3G09260
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
Quantity	100 µg
Storage	Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1:500-1:1000 (IHC), 1: 5000- 1: 20 000 (WB)
Expected | apparent MW	59.7 | 56 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Rorippa islandica* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	N-terminal signal peptide including 24 amino acis and ER retention signal is removed from the mature protein
Selected references	Matsushima et al. (2003). 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. doi: 10.1046/j.1365-313x.2003.01636.x.



Arabidopsis thaliana 7 day-old seedlings was freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. were separated on 12.5 % SDS-PAGE and blotted to PVDF membrane in semi-dry system. Blot was blocked with 5 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 4000 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendations.