

CAB20718

Product Information

Product SKU: CAB20718	Gene ID: 843693	Size: 20uL, 100uL
Clone No: -	Host Species: Rabbit	Reactivity: Arabidopsis thaliana

Additional Information

Observed MW: 67kDa	Conjugate: Unconjugated
Calculated MW: 67kDa	Isotype: IgG

Immunogen Information

Background:	Encodes an auxin efflux carrier involved in shoot and root development. It is involved in the maintenance of embryonic auxin gradients. Loss of function severely affects organ initiation, pin1 mutants are characterised by an inflorescence meristem that does not initiate any flowers, resulting in the formation of a naked inflorescence stem. PIN1 is involved in the determination of leaf shape by actively promoting development of leaf margin serrations. In roots, the protein mainly resides at the basal end of the vascular cells, but weak signals can be detected in the epidermis and the cortex. Expression levels and polarity of this auxin efflux carrier change during primordium development suggesting that cycles of auxin build-up and depletion accompany, and may direct, different stages of primordium development. PIN1 action on plant development does not strictly require function of PGP1 and PGP19 proteins.
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	ARABIDOPSIS THALIANA PIN-FORMED 1; ATPIN1; F6D5.2; F6D5_2; PIN-FORMED 1; PIN1
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 391-480 of arabidopsis thaliana PIN1 (NP_177500.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.