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Product no AS16 3159

Anti-AUX1 | Auxin transporter protein 1 (rabbit antibody)

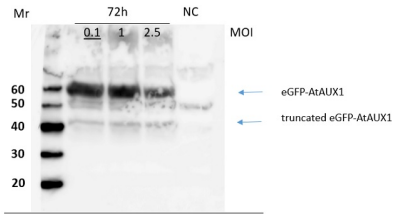
Product information

Immunogen	KLH-conjugated peptide derived from protein sequence of *Arabidopsis thaliana* AUX1. UniProt: Q96247, TAIR: AT2G38120
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store lyophilized/reconstituted 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: 5000 (WB) on recombinant AUX1
Confirmed reactivity	*Arabidopsis thaliana* (recombinant AUX1)
Predicted reactivity	*Arabidopsis thaliana*
Not reactive in	*Oryza sativa*
Additional information	Reactivity of this antibody on endogenous AUX1 remains to be determined

Application example



Arabidopsis thaliana AUX1 was expressed in insect cells using baculovirus infection. Expression was driven by the strong polyhedrin promoter. Cultures of Sf9 cells (20 ml, approx. 2 x 107 cells) were infected with virus at multiplicities of infection (MOI) of 0.1, 1 and 2.5. 2 mL samples were harvested by centrifugation after 3 days, lysed (20 mM Tris/HCl, pH 7.4, 200 mM NaCl, 1 mM EDTA, 1% Tween 20, protease inhibitors and DNAseI) at 4°C for 30 min, sonicated (3 x 5 s pulses) and centrifuged. Cleared supernatant samples (whole cell lysates) were run on SDS-PAGE using 8 – 13% acrylamide gradient gels. After transfer to PVDF, the membrane was blocked with TBS-Tween with 10% milk powder overnight. Primary antibodies were applied at 1:5000 dilution in TBS-Tween with 5% milk powder for one hour at room temperature, washed x3 in TBS-Tween for 10 mins each and secondary antibodies (e.g. AS09 605 rabbit anti-goat HRP conjugated, Agrisera) applied diluted 1:10 000 as above. After washing as above, development was by ECL using chemiluminescent detection reagent, for 2 mins and the image captured by ImageQuant. As negative controls, samples of non-infected cells (NC) were run alongside the AUX1 extracts, as well as protein size markers (Mr).

The complete fusion protein (enhanced GFP-AtAUX1) was detected at close to 60 kDa A breakdown or truncated band was also seen at a little over 40 kDa.

Courtesty of Prof Richard Napier, University of Warwick, UK