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**Product no AS16 3159**

# AUX1 | Auxin transporter protein 1 (rabbit antibody)

## Product information

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| **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

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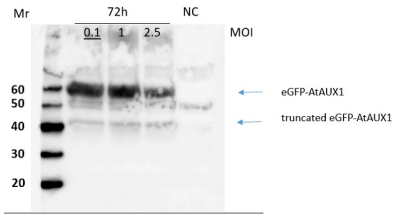
| **Recommended dilution** | 1: 5000 (WB) on recombinant AUX1 |
| **Confirmed reactivity** | *Arabidopsis thaliana* (recombinant AUX1) |
| **Predicted reactivity** | *Arabidopsis thaliana* |
| **Not reactive in** | *Oryza sativa* |
| **Additional information** | Reactivity of this antibody on endogenous 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