

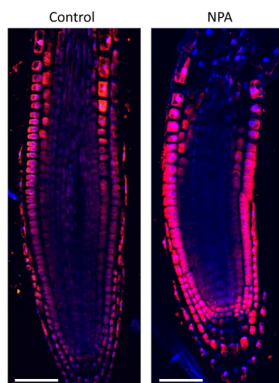
Product no **AS06 193****IAA | Indole 3 acetic acid****Product information**

<b>Immunogen</b>	BSA-conjugated synthetic indole 3 acetic acid
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Total IgG
<b>Format</b>	Lyophilized in PBS, Phosphate 10 mmol/l ; NaCl 150 mmol/l at pH 7,35
<b>Quantity</b>	1 mg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water and 50 µl of glycerol
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; this aliquote can be freezed and thawed for up to five times and showed stability for at least 2 years, Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes
<b>Additional information</b>	Total IgG was purified by ammonium sulfate precipitation

**Application information**

<b>Recommended dilution</b>	1 : 5000-1 : 10 000 (ELISA), 1 : 100-1 :600 (IL)
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Drosera capensis</i> , <i>Euphorbia pulcherrima</i> , <i>Medicago sativa</i> (nodules)
<b>Predicted reactivity</b>	Dicots Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	For detailed immunolocalization protocol check <a href="#">here</a> .  Quantification of IAA in ELISA using this antibody is described in <a href="#">Bianco and Defez (2009)</a> .  Whole-mount immunolocalization is described in <a href="#">Lu et al. (2015)</a> .

<b>Selected references</b>	<p><a href="#">La Porta et al. (2019)</a>. Metamaterial architecture from a self-shaping carnivorous plant. Proc Natl Acad Sci U S A. 2019 Sep 17;116(38):18777-18782. doi: 10.1073/pnas.1904984116.</p> <p><a href="#">Kućko et al. (2019)</a>. Spatio-temporal IAA gradient is determined by interactions with ET and governs flower abscission. J Plant Physiol. 2019 Mar 2;236:51-60. doi: 10.1016/j.jplph.2019.02.014.</p> <p><a href="#">Nishimura and Koshiba (2019)</a>. Immunolocalization of IAA Using an Anti-IAA-C-Antibody Raised Against Carboxyl-Linked IAA. Phototropism. Methods in Molecular Biology, vol 1924. Humana Press, New York, NY.</p> <p><a href="#">Lu et al. (2015)</a>. OsPIN5b modulates rice plant architecture and yield by changing auxin homeostasis, transport and distribution. Plant J. 2015 Jul 25. doi: 10.1111/tpj.12939.</p> <p><a href="#">Bianco and Defez (2009)</a>. Medicago truncatula improves salt tolerance when nodulated by an indole-3-acetic acid-overproducing Sinorhizobium meliloti strain. J Exp. Bot. 60, No. 11: 3097-3107.</p>
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**Application example**

4 days old *Arabidopsis thaliana* seedlings were treated with 1µM NPA for 24 hours. Seedlings were fixed for 20 min in 4% EDAC in MTSB, and next 30 minutes in 4 % EDAC+ 2% Formaldehyde. Anti-auxin anti-rabbit primary antibody (Agrisera, catalog number AS06 193) diluted 1: 600 plus Goat anti-rabbit IgG (H&L), DyLight® 549 Conjugate ([AS11 1815](#)) as secondary antibody diluted in 1: 3000 (shown in red color) were used.

Courtesy Dr. Taras Pasternak, Freiburg University, Germany.