

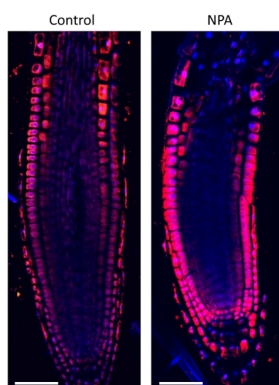
Product no **AS06 193****Anti-IAA | Indole 3 acetic acid****Product information**

Immunogen	BSA-conjugated synthetic indole 3 acetic acid
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG
Format	Lyophilized in PBS, Phosphate 10 mmol/l; NaCl 150 mmol/l at pH 7.35
Quantity	1 mg
Reconstitution	For reconstitution add 50 µl of sterile water and 50 µl of glycerol
Storage	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
Additional information	Total IgG was purified by ammonium sulfate precipitation

Application information

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

Selected references	<p>La Porta et al. (2019). 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>Kućko et al. (2019). 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>Nishimura and Koshiba (2019). 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>Lu et al. (2015). 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>Bianco and Defez (2009). 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



This product is **for research use only** (not for diagnostic or therapeutic use)

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4 days old *Arabidopsis thaliana* seedlings were treated with 1 μ M 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.