

Product no **AS09 421****Anti-IAA | indole-3-acetic acid (N1) (for immunolocalization)****Product information**

Immunogen	BSA-conjugated, via N1 group of indole, indole-3-acetic acid (N1)
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS.
Format	Liquid
Quantity	200 µg
Storage	Freeze upon arrival and store at -20°C; 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.

Additional information | IAA | indole-3-acetic acid (N1) (for immunolocalization)**Application information**

Recommended dilution	Specific information about dilution is going to be included on the vial
Confirmed reactivity	indole-3-acetic acid (N1) tested so far in: <i>Eucalyptus globulus</i> , <i>Juncus prismatocarpus</i> subsp. <i>leschenaultii</i> Kirschner (<i>J. prismatocarpus</i>), <i>Juncus wallichianus</i> Laharpe (<i>J. wallichianus</i>), <i>Pinus radiata</i> , <i>Vitis vinifera</i>
Predicted reactivity	Indole-3-acetic acid (N1)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibody can be used for direct detection of free IAA (see reference below). It does not bind IAA conjugates. Antibody is provided in 50% glycerol. For larger quantity (1 mg)- please inquire. Steedman's wax embedding technique is recommended to be used with this antibody. The most critical issue is to keep the temperature below 37°C during the whole embedding procedure. More information can be found in Vitha et al. (2000).
Selected references	Nukazuka et al. (2021). A Role for Auxin in Triggering Lamina Outgrowth of Unifacial Leaves. Plant Physiol. 2021 Feb 23:kiab087. doi: 10.1093/plphys/kiab087. Epub ahead of print. PMID: 33620494. Dinis et al. (2018). Kaolin modulates ABA and IAA dynamics and physiology of grapevine under Mediterranean summer stress. J Plant Physiol. 2018 Jan;220:181-192. doi: 10.1016/j.jplph.2017.11.007. Escandón et al. (2016). Integrated physiological and hormonal profile of heat-induced thermotolerance in Pinus radiata. Tree Physiol. 2016 Jan;36(1):63-77. doi: 10.1093/treephys/tpv127. Epub 2016 Jan 12. Jesus et al. (2015). Salicylic acid application modulates physiological and hormonal changes in Eucalyptus globulus under water deficit. Environ and Exp Botany, Volume 118, October 2015, Pages 56-66. De Diego et al. (2013). Immunolocalization of IAA and ABA in roots and needles of radiata pine (Pinus radiata) during drought and watering. Tree Physiol., May; 33(5):537-549.