

bs-0902R

[Primary Antibody]



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IAA Rabbit pAb

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Indole-3-AceticAcid)
Target: IAA		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Subcellular Location: Nucleus
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Indole-3-acetic acid, also known as IAA, is a heterocyclic compound that is an phytohormones called auxins. This colourless solid is probably the most important plant auxin. The molecule is derived from indole, containing a carboxymethyl group (acetic acid). IAA has many different effects, as all auxins do, such as inducing cell elongation and cell division with all subsequent results for plant growth and development. There are less expensive and metabolically stable synthetic auxin analogs on the market for use in horticulture, such as indole-3-butyric acid (IBA) and 1-naphthaleneacetic acid (NAA).		

— SELECTED CITATIONS —

- **[IF=5.645]** Guobin Liu. et al. Histological dissection of cutting-inducible adventitious rooting in Platycladus orientalis reveals developmental endogenous hormonal homeostasis. Ind Crop Prod. 2021 Oct;170:113817 IHC ;Plant. 10.1016/j.indcrop.2021.113817
- **[IF=4.3]** Mei Ren. et al. Genome-wide identification of the GAox gene family and functional characterization of PbGA3ox4 during stone cell formation in Chinese white pear. SCI HORTIC-AMSTERDAM. 2024 Apr;330:113063 IF ;Pear. 10.1016/j.scienta.2024.113063