

Rabbit Anti-Conjugated 3-Indolacetic Acid pAb

Catalog No.	PA2120	Quantity:	100 µl
Target:	Conjugated Auxin (Indole 3 acetic Acid)		
Purity:	Antiserum previously pre-absorbed on protein carriers, and ammonium sulphate purified		
Host:	Rabbit		
Immunogen:	Synthetic Auxin conjugated to protein carriers.		
Isotype:	IgG		
Specificity:	Using a conjugate Auxin-protein carrier, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:		

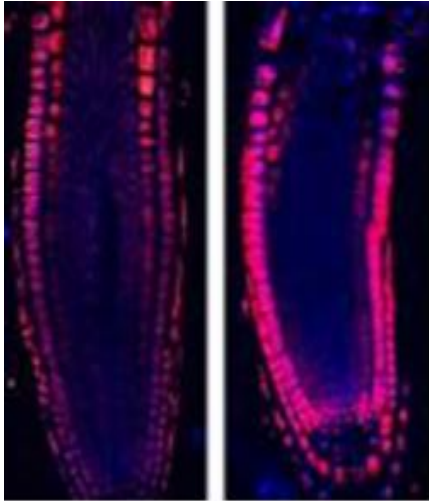
Compounds	Cross-reactivity ratio (a)
Auxin-BSA	1
Indole 3 Pyruvic Acid-BSA	1/>50,000
Phenyl Acetic Acid-BSA	1/>50,000

(a): Auxin Acid-BSA concentration/ conjugated close structure concentration at half displacement. BSA= Bovine Serum Albumin

Formulation:	Lyophilized
Applications:	Immunohistochemistry, ELISA.
Storage & Stability:	Lyophilized vial must be stored at 4°C in a dry area. After reconstitution with 50 µl of distilled water and 50 µl of glycerol, the aliquot can be stored at -20°C, and is stable at least 2 years.
Research Areas:	Plant physiology
Notes:	The optimal concentration should be determined by the user for each specific application.



Immunolocalization of Auxin in 4 days old Arabidopsis seedlings. After a 24 hours treatment with 1 μ M NPA, 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 diluted 1: 600 plus Goat anti-rabbit IgG (H&L) as secondary antibody diluted in 1: 3000 (shown in red color) were used.



Immunolocalization of IAA in Euphorbia pulcherrima Willd. Ex Klotzsch 'Lilo' floder pedicel shoots according to Lee et al. 2008. Primary antibody used in dilution 1: 100, secondary antibody anti-rabbit IgG-alkaline phosphatase-conjugate (Sigma, USA) has been used at a dilution of 1: 100.



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