



Rabbit Anti-Gibberellins antibody

SL4606R

Product Name:	Gibberellins
Chinese Name:	赤霉素抗体
Alias:	GA3; Gibberellic acid.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Gibberellins
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	0.34637kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated to Gibberellins:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Gibberillic acids (GA) are important plant growth hormones that promote plant cell growth and elongation. Gebberillins promote rapid stem and root growth, induce mitotic division and initiate (break dormancy) and increase seed germination rates. The gibberellins are also involved in processes such as gravitropism, tensioning and floral display. Gibberellin A3 (G1025, G7645) and A4 (G7276) may be used as supplements to plant growth media such as Murashige and Skoog media. The specific actions of A3 and A4

or combinations of Gibberellins should be determined in specific plant applications.

SWISS:

N/A

CAS:

77-06-5

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

赤霉素最突出的生理效应是促进茎的伸长和诱导长日Botany在短日条件下抽薹开花。各种Botany对赤霉素的敏感程度不同。遗传上矮生的Botany如矮生的玉米和豌豆对赤霉素最敏感,经赤霉素处理后株型与非矮生的相似;非矮生Botany则只有轻微的反应。有些Botany遗传上矮生性的原因就是缺乏内源赤霉素(另一些则不然)。赤霉素在种子发芽中起调节作用。许多禾谷类Botany例如大麦的种子中的淀粉,在发芽时迅速水解;如果把胚去掉,淀粉就不水解。用赤霉素处理无胚的种子,淀粉就又能水解,证明了赤霉素可以代替胚引起淀粉水解。赤霉素能代替红光促进光敏感Botany莴苣种子的发芽和代替胡萝卜开花所需要的春化作用。赤霉素还能引起某些Botany单性果实的形成。对某些Botany,特别是无籽葡萄品种,在开花时用赤霉素处理,可促进无籽果实的发育。但对某些生理现象有时有抑制作用。

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