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Rabbit Anti-Pectinesterase inhibitor 18/Cy5 Conjugated antibody

SL2219R-Cy5

Product Name	Anti-Pectinesterase inhibitor 18/Cy5
Chinese Name	Cy5 标记的果胶酶抑制蛋白 18 抗体
Alias	Pectinesterase/pectinesterase inhibitor 18; AtPMEpcrA; Contains: Pectinesterase inhibitor 18; Pectin methylesterase inhibitor 18; Contains: Bifunctional pectinesterase 18/rRNA N-glycosylase; PE 18; Pectin methylesterase 18; Pectin methylesterase 4; AtPME4; PME18_ARATH.
Research Area	Botany
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Arabidopsis Thaliana)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	58kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived fromArabidopsis thaliana (thale cress) pectinesterase inhibitor 18 Pectinesterase
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**Function:** Acts in the modification of cell walls via demethylesterification of cell wall pectin. Inhibits the elongation phase of protein synthesis.

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Subcellular Location:
Secreted, cell wall.

Tissue Specificity:
Expressed in siliques, flowers, floral stems, rosette leaves and roots.

Similarity:
In the N-terminal section; belongs to the PMEI family.
In the C-terminal section; belongs to the pectinesterase family.

Database links:
UniProtKB/Swiss-Prot: Q1JPL7.3

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

果胶酶（pectinase）是分解果胶的一个多酶复合物，通常包括原果胶酶、果胶甲酯水解酶、果胶酸酶。通过它们的联合作用使果胶质得以完全分解。天然的果胶质在原果胶酶作用下，转化成水可溶性的果胶；果胶被果胶甲酯水解酶催化去掉甲酯基团，生成果胶酸；果胶酸经果胶酸水解酶类和果胶酸裂合酶类降解生成半乳糖醛酸。