

## 抗体定制案例-植物

### 水稻



**Title:** A single transcription factor promotes both yield and immunity in rice

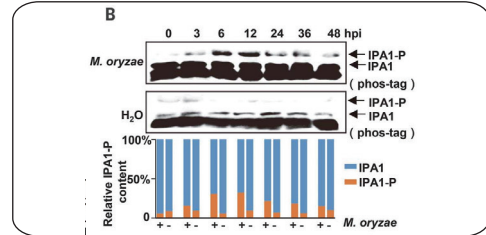
**Journal:** Science

**IF:** 41.06

**PMID:** 30190406

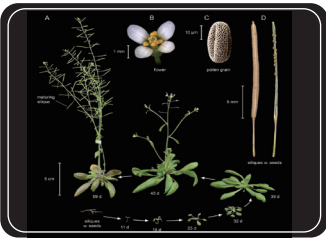
**Application:** ELISA、WB

**Department:** 四川农业大学



Phosphorylation of IP1 is induced upon *M. oryzae* infection. Leaves were collected at different hpi with *M. oryzae* (top) or after treatment with H<sub>2</sub>O as a control (middle). Phosphorylated and nonphosphorylated IP1 proteins were separated on a Phos-tag gel, detected by IP1 Ab, and quantitated by densitometry, and percentages were calculated (bottom).

### 拟南芥



**Title:** Ubiquitin-based pathway acts inside chloroplasts to regulate photosynthesis

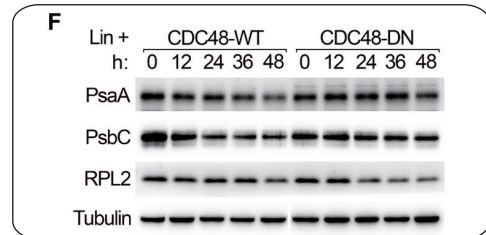
**Journal:** Sci Adv

**IF:** 13.6

**PMID:** 36383657

**Application:** WB

**Department:** 牛津大学



CDC48 dependency of chloroplast-encoded protein degradation was analyzed.

### 本氏烟



**Title:** The P3N-PIPO Protein Encoded by Wheat Yellow Mosaic Virus Is a Pathogenicity Determinant and Promotes Its Pathogenicity through Interaction with NbRLK6 in *Nicotiana benthamiana*

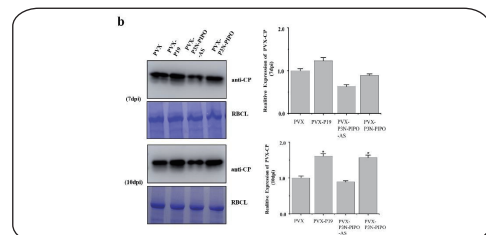
**Journal:** Viruses

**IF:** 5.82

**PMID:** 36298727

**Application:** WB

**Department:** 宁波大学



Immunoblotting analysis of PVX CP accumulation in systemically infected leaves. Coomassie staining of the rubisco large subunit (RBCL) was performed to make a loading control. The bands were quantified as shown on the right.

## 优质引用文献一览表

Journal	Title	IF	Species
CELL	Structure of a TOC-TIC supercomplex spanning two chloroplast envelope membranes	66.85	衣藻
Cell Discov	Chilling-induced phosphorylation of IPA1 by OsSAPK6 activates chilling tolerance responses in rice	38.079	水稻
Nat Commun	N6-methyladenosine RNA modification promotes viral genomic RNA stability and infection	17.694	小麦黄花叶病毒
J Adv Res	MaNAC029 modulates ethylene biosynthesis and fruit quality and undergoes MaXB3-mediated proteasomal degradation during banana ripening	12.822	香蕉
Mol Plant	GmCRY1s Modulate Gibberellin Metabolism to Regulate Soybean Shade Avoidance in Response to Reduced Blue Light	12.084	大豆
New Phytol	Functional understanding of secondary cell wall cellulose synthases in Populus trichocarpa via the Cas9/gRNA-induced gene knockouts	10.152	毛果杨
eLife	Acetylation of a fungal effector that translocates host PR1 facilitates virulence	8.713	番茄
PLOS Biology	CslVP functions in vasculature development and downy mildew resistance in cucumber	8.386	黄瓜
Hortic Res	Transcriptional and Post-transcriptional Regulation of Ethylene Biosynthesis by Exogenous Acetylsalicylic Acid in Kiwifruit	7.291	猕猴桃
Hortic Res	Involvement of histone deacetylase CshDA2 in regulating (E)-nerolidol formation in tea (Camellia sinensis) exposed to tea green leafhopper infestation	7.291	茶树
Postharvest biology and technology	Convergent and divergent regulations of ethylene and abscisic acid biosynthesis during persimmon fruit postharvest ripening	6.751	柿子
Front Bioeng Biotechnol	Manipulating the Expression of Glycogen Phosphorylase in Synechococcus elongatus PCC 7942 to Mobilize Glycogen Storage for Sucrose Synthesis	6.064	蓝藻
Clin Transl Allergy	Peach allergen Pru p 1 content is generally low in fruit but with large variation in different varieties	5.87	桃
Mol Plant Pathol	The nonstructural protein NSs encoded by tomato zonate spot virus suppresses RNA silencing by interacting with NbSGS3	5.663	本氏烟
Journal of Experimental Botany	Verticillium dahliae PevD1, an Alt a 1-like protein, targets cotton PR5-like protein and promotes fungal infection	5.3	棉花
Clin Transl Allergy	Variation in IgE binding potencies of seven Artemisia species depending on content of major allergens	5.129	蒿属
Plant Dis	First report of vicia cryptic virus M infecting cowpea (Vigna unguiculata) in China	4.614	豇豆
Postharvest Biology and Technology	Involvement of BrNAC041 in ABA-GA antagonism in the leaf senescence of Chinese flowering cabbage	4.303	卷心菜
Front Microbiol	Adopting a Theophylline-Responsive Riboswitch for Flexible Regulation and Understanding of Glycogen Metabolism in Synechococcus elongatus PCC7942	4.019	聚球藻
J Proteomics	Proteomic analysis of strawberry leaves infected with Colletotrichum fragariae	3.914	草莓
Aerobiologia (Bologna)	Comparison of the characterization of allergenic protein 3 (Pla a3) released from Platanus pollen grains collected in Shanghai during the spring of 2019 and 2020	2.414	悬铃木花粉

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