

**nature COMMUNICATIONS**

ARTICLE

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### M-Phase Phosphoprotein 9 regulates ciliogenesis by modulating CP110-CEP97 complex localization at the mother centriole

Ning Huang<sup>1</sup>, Donghui Zhang<sup>1</sup>, Fangyuan Li<sup>1</sup>, Peiyuan Chai<sup>1</sup>, Song Wang<sup>1</sup>, Junlin Teng<sup>1</sup> & Jiaqun Chen<sup>1,2</sup>

Target	Species of Sample	Application	Journal	PMID
KIF, Phospho-MPP9-S629	Human, Mouse	WB, IF	Nature communications	30375385

**Article**

### Host-mediated ubiquitination of a mycobacterial protein suppresses immunity

Lin Wang<sup>1\*</sup>, Juehui Wu<sup>2,3\*</sup>, Jun Li<sup>1,4</sup>, Hua Yang<sup>1</sup>, Tianqi Tang<sup>1</sup>, Haijiao Liang<sup>1</sup>, Mianrong Zuo<sup>1</sup>, Jie Wang<sup>1</sup>, Haipeng Liu<sup>1</sup>, Fang Liu<sup>1</sup>, Jiansia Chen<sup>1,5</sup>, Zhonghua Liu<sup>1</sup>, Yang Wang<sup>1</sup>, Cheng Peng<sup>1</sup>, Xiangyang Wu<sup>1</sup>, Ruijuan Zheng<sup>1</sup>, Xiaochen Huang<sup>1</sup>, Yajun Ran<sup>1</sup>, Zhe Rao<sup>1,6,7\*</sup> & Baoxue Ge<sup>1,2,4\*</sup>

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*Mycobacterium tuberculosis* is an intracellular pathogen that uses several strategies to

Target	Species of Sample	Application	Journal	PMID
Rv0222	Human, Mouse	WB	Nature	31942069

**Molecular Plant** Research Article

**CellPress** PARTNER JOURNAL

### Reversible Histone H2B Monoubiquitination Fine-Tunes Abscisic Acid Signaling and Drought Response in Rice

Siqi Ma<sup>1,3</sup>, Ning Tang<sup>1,2,4\*</sup>, Xu Li<sup>1</sup>, Yongjun Xie<sup>1</sup>, Denghao Xiang<sup>1</sup>, Jie Fu<sup>1</sup>, Jianqiang Shen<sup>1,4</sup>, Jun Yang<sup>1</sup>, Haifu Tu<sup>1</sup>, Xianghua Li<sup>1</sup>, Honghong Hu<sup>1</sup> and Lizhong Xiong<sup>1,4\*</sup>

Target	Species of Sample	Application	Journal	PMID
OsZIP46	Rice	ChIP-QPCR, ChIP-seq	Molecular Plant	30455424

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### GPA5 Encodes a Rab5a Effector Required for Post-Golgi Trafficking of Rice Storage Proteins

Yulong Ren,<sup>1,2</sup> Yihua Wang,<sup>1,3</sup> Tian Pan,<sup>1,4</sup> Yunlong Wang,<sup>1,5</sup> Yongfei Wang,<sup>1,6</sup> Lu Gan,<sup>1,7</sup> Zhongyan Wei,<sup>1,8</sup> Fan Wang,<sup>1,9</sup> Mingming Wu,<sup>1,10</sup> Ruonan Jing,<sup>1,11</sup> Jiachang Wang,<sup>1,12</sup> Gexing Wan,<sup>1,13</sup> Xiuhao Bao,<sup>1,14</sup> Binglei Zhang,<sup>1,15</sup> Pengcheng Zhang,<sup>1,16</sup> Yu Zhang,<sup>1,17</sup> Yi Ji,<sup>1,18</sup> Cailin Lei,<sup>1,19</sup> Xin Zhang,<sup>1,20</sup> Zhijun Cheng,<sup>1,21</sup> Qibing Lin,<sup>1,22</sup> Shanshan Zhu,<sup>1,23</sup> Zhichao Zhao,<sup>1,24</sup> Jie Wang,<sup>1,25</sup> Chuanyin Wu,<sup>1,26</sup> Lijuan Qiu,<sup>1,27</sup> Haiyang Wang,<sup>1,28</sup> and Jianmin Wan<sup>1,29\*</sup>

Target	Species of Sample	Application	Journal	PMID
GPA5, VPS3, VPS11, VPS18, VPS39	Rice	WB, IF	Plant Cell	31949008

**THE PLANT CELL**

### OsSH11 Regulates Plant Architecture Through Modulating the Transcriptional Activity of IPA1 in Rice

Erchao Duan<sup>1,2</sup>, Yihua Wang<sup>1,3</sup>, Xiaohui Li<sup>1,4</sup>, Qibing Lin<sup>1,5</sup>, Ting Zhang<sup>1,6</sup>, Yupeng Wang<sup>1,7</sup>, Chunlei Zhou<sup>1,8</sup>, Huan Zhang<sup>1,9</sup>, Ling Jiang<sup>1,10</sup>, Jiulin Wang<sup>1,11</sup>, Cailin Lei<sup>1,12</sup>, Xin Zhang<sup>1,13</sup>, Xiuping Guo<sup>1,14</sup>, Haiyang Wang<sup>1,15</sup>, and Jianmin Wan<sup>1,16\*</sup>

Target	Species of Sample	Application	Journal	PMID
OsSH11, IPA1	Rice	WB, IP, CHIP	Plant Cell	30914468

**THE PLANT CELL**

### Abscisic Acid Inhibits Rice Protein Phosphatase PP45 via H<sub>2</sub>O<sub>2</sub> and Relieves Repression of the Ca<sup>2+</sup>/CaM-Dependent Protein Kinase DIM3

Lan Ni<sup>1,2,3,4</sup>, Xiaopu Fu<sup>1,5,6</sup>, Huan Zhang<sup>1,7</sup>, Xi Li<sup>1,8</sup>, Xiang Cai<sup>1,9</sup>, Panpan Zhang<sup>1,10</sup>, Lei Liu<sup>1,11</sup>, Qingwen Wang<sup>1,12</sup>, Manman Sun<sup>1,13</sup>, Qianwen Wang<sup>1,14</sup>, Aiyang Zhang<sup>1,15</sup>, Zhengguang Zhang<sup>1,16</sup>, and Mingyi Jiang<sup>1,17,18\*</sup>

Target	Species of Sample	Application	Journal	PMID
DIM3, Phospho-DIM3-T263	Rice	WB, IP	Plant Cell	30538152

**THE PLANT CELL**

### MEIOTIC F-BOX Is Essential for Male Meiotic DNA Double Strand Break Repair in Rice

Yi He<sup>1</sup>, Chong Wang<sup>1</sup>, James D. Higgins<sup>2</sup>, Jumping Yu<sup>1</sup>, Jie Zong<sup>1</sup>, Pingli Lu<sup>1</sup>, Dabing Zhang<sup>1,3</sup>, Wanqi Liang<sup>1,4\*</sup>

Target	Species of Sample	Application	Journal	PMID
OsCenH3, Rec8, γ-H2AX, COM1, RAD51C, PAIR2, PAIR3, ZEP1	Rice	IP, IF	Plant Cell	27436711

**RESEARCH ARTICLE SUMMARY**

**PLANT SCIENCE**

### Enhanced sustainable green revolution yield via nitrogen-responsive chromatin modulation in rice

Kun Wu<sup>1</sup>, Shansuo Wang<sup>1</sup>, Wenzhen Song<sup>1</sup>, Jianqing Zhang<sup>1</sup>, Yun Wang<sup>1</sup>, Qian Liu<sup>1</sup>, Jianping Yu<sup>1</sup>, Yafeng Ye<sup>1</sup>, Shan Li<sup>1</sup>, Jianfeng Chen<sup>1</sup>, Ying Zhao<sup>1</sup>, Jing Wang<sup>1</sup>, Xiaokang Wu<sup>1</sup>, Meiyue Wang<sup>1</sup>, Yijing Zhang<sup>1</sup>, Bimel Liu<sup>1</sup>, Yuejin Wu<sup>1</sup>, Nicholas P. Harberd<sup>1</sup>, Xiangdong Fu<sup>1\*</sup>

Target	Species of Sample	Application	Journal	PMID
SLR1	Rice	WB	Science	32029600

**Cell Research**

**ARTICLE**

### Endogenous reverse transcriptase and RNase H-mediated antiviral mechanism in embryonic stem cells

Junyu Wu<sup>1</sup>, Chanyan Wu<sup>1</sup>, Fan Xing<sup>1</sup>, Liu Cao<sup>1</sup>, Weiwei Zeng<sup>1</sup>, Liping Guo<sup>1</sup>, Peng Li<sup>1</sup>, Yongheng Zhong<sup>1</sup>, Hualian Jiang<sup>1</sup>, Manhui Luo<sup>1</sup>, Guang Shi<sup>1</sup>, Lang Bu<sup>1</sup>, Yanli Ji<sup>1</sup>, Panpan Hou<sup>1</sup>, Hong Peng<sup>1</sup>, Junju Huang<sup>1</sup>, Chummei Li<sup>1</sup> and Deyin Guo<sup>1\*</sup>

Target	Species of Sample	Application	Journal	PMID
VP1	Mouse	WB IF	Cell Research	34158624

**Research Article** Experimental and Translational Hepatology **JOURNAL OF HEPATOLOGY**

### Peptide SMIM30 promotes HCC development by inducing SRC/YES1 membrane anchoring and MAPK pathway activation

Target	Species of Sample	Application	Journal	PMID
SMIM30	Human	WB	Journal of hepatology	32461121



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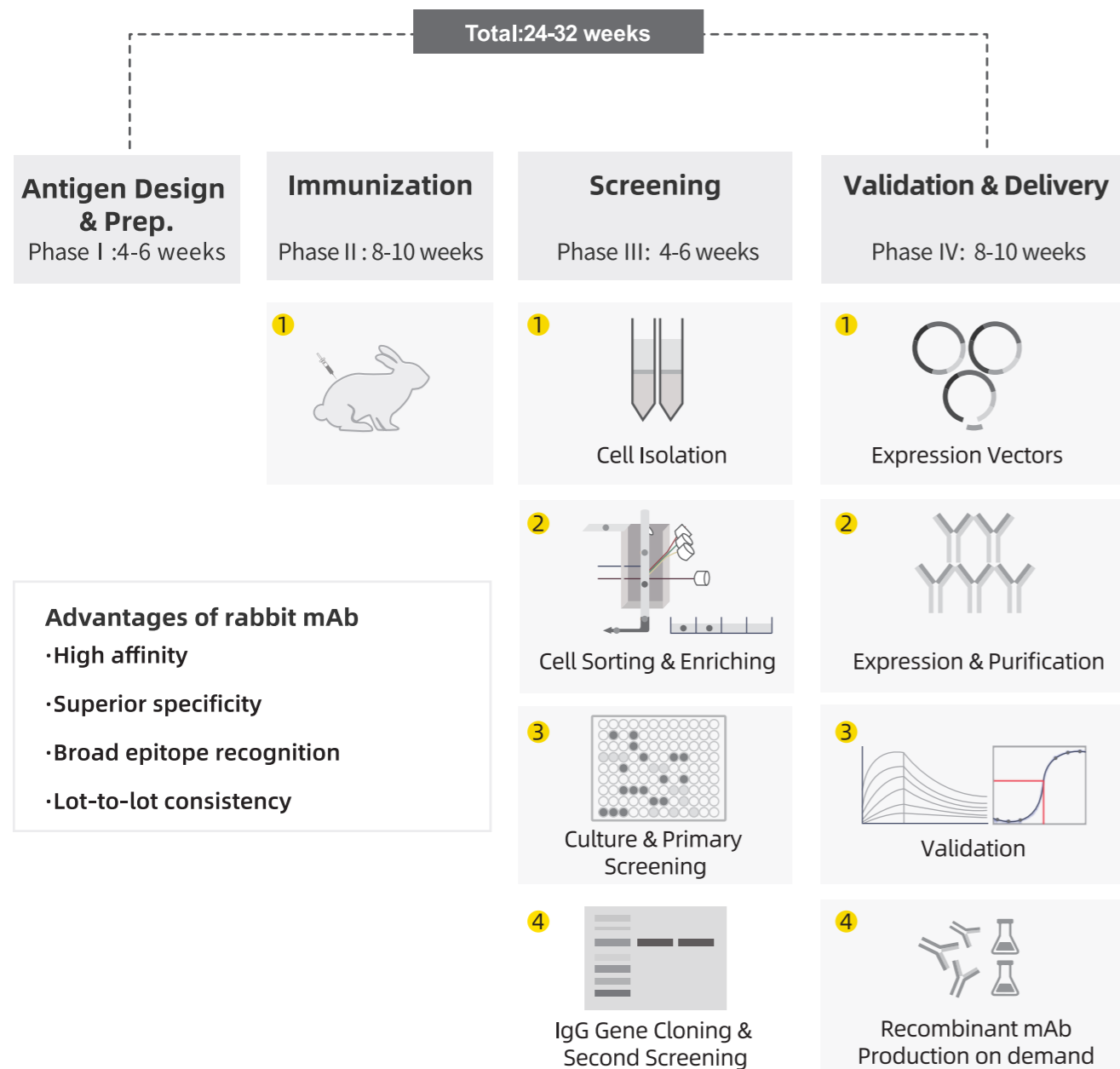
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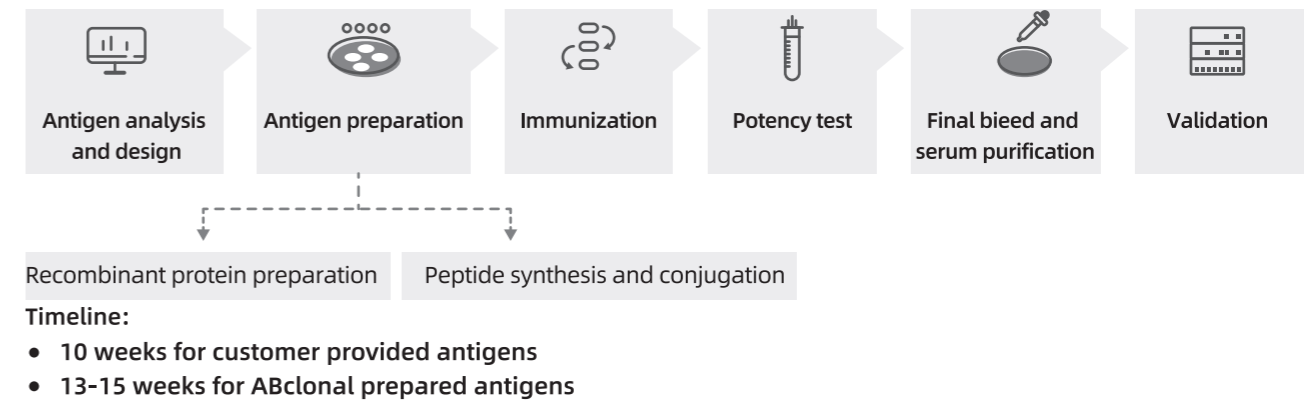
## // Success Rate of Service Cases

Species	Number of cases	Success rate
<i>Oryza sativa</i>	1047	66%
<i>Homo sapiens</i>	846	75%
<i>Arabidopsis thaliana</i>	714	65%
<i>Mus musculus</i>	699	69%
<i>Zea mays</i>	367	68%
<i>Drosophila melanogaster</i>	253	70%
<i>Chlamydomonas reinhardtii</i>	198	75%
<i>Danio rerio</i>	167	55%
<i>Virus</i>	109	75%
<i>Plutella xylostella</i>	78	89%

## // Rabbit Monoclonal Antibody Development Process



## // Polyclonal Antibody Development Process



## // Selected Case Studies

**LETTER** <https://doi.org/10.1038/s41586-018-0709-7>

**VCAM-1<sup>+</sup> macrophages guide the homing of HSPCs to a vascular niche**

Dantong Li<sup>1,2,10</sup>, Wenzhi Xue<sup>1,10</sup>, Mei Li<sup>1,2,10</sup>, Mei Dong<sup>1</sup>, Jianwei Wang<sup>1</sup>, Xitanda Wang<sup>1</sup>, Xiyue Li<sup>1</sup>, Kai Chen<sup>1</sup>, Wenjuan Zhang<sup>1</sup>, Shuang Wu<sup>1</sup>, Yingqi Zhang<sup>1</sup>, Lei Gao<sup>1,4</sup>, Yujie Chen<sup>1</sup>, Jianfeng Chen<sup>1</sup>, Bo O. Zhou<sup>1</sup>, Yizhou<sup>1</sup>, Xuebiao Yao<sup>1</sup>, Lin Li<sup>1</sup>, Dianqing Wu<sup>1</sup> & Weijun Pan<sup>1,2\*</sup>

Target	Species of Sample	Application	Journal	PMID
VCAM-1	Zebrafish	Immunofluorescence	Nature	30455424

**Cell** <https://doi.org/10.1016/j.cell.2018.08.044>

**METTL3 Methylation of eEF1A Increases Translational Output to Promote Tumorigenesis**

Shuo Liu, Simone Hausmann, Scott Moore Carlson, ..., Caucaine Van Rchem.

Target	Species of Sample	Application	Journal	PMID
METTL3	Human, Mouse	Dot Blot, WB, IHC	Cell	30612740

**LETTER** <https://doi.org/10.1038/s41586-018-0709-7>

**Nuclear cGAS suppresses DNA repair and promotes tumorigenesis**

Haipeng Liu<sup>2,3,11</sup>, Haipeng Zhang<sup>1,11</sup>, Xiangyang Wu<sup>2,11</sup>, Dapeng Ma<sup>2</sup>, Juehui Wu<sup>2</sup>, Lin Wang<sup>2</sup>, Yan Jiang<sup>2</sup>, Yiyang Fei<sup>1</sup>, Chenggang Zhai<sup>1</sup>, Rong Tan<sup>2</sup>, Peter Jungblut<sup>1</sup>, Gang Pei<sup>1</sup>, Anca Dorhoi<sup>1,2</sup>, Qianling Yan<sup>1</sup>, Fan Zhang<sup>1</sup>, Ruijuan Zheng<sup>1</sup>, Siyu Liu<sup>1</sup>, Haijiao Liang<sup>1</sup>, Zhonghua Liu<sup>1</sup>, Hua Yang<sup>1</sup>, Jianxia Chen<sup>1,2</sup>, Peng Wang<sup>1</sup>, Tianqi Tang<sup>1</sup>, Wenxia Peng<sup>1</sup>, Zhangsen Hu<sup>1</sup>, Zhu Xu<sup>1</sup>, Xiaochen Huang<sup>1</sup>, Jie Wang<sup>1</sup>, Haohao Li<sup>1</sup>, Yilong Zhou<sup>1,2</sup>, Feng Liu<sup>1</sup>, Dapeng Yan<sup>10</sup>, Stefan H. E. Kaufmann<sup>1</sup>, Chang Chen<sup>1</sup>, Zhiyong Mao<sup>1\*</sup> & Baoxue Ge<sup>1,2\*</sup>

Target	Species of Sample	Application	Journal	PMID
Phospho-cGAS-Y215	Human, Mouse	WB	Nature	30356214

**LETTER** <https://doi.org/10.1038/s41586-018-0709-7>

**UDP-glucose accelerates *SNAIL* mRNA decay and impairs lung cancer metastasis**

Xiongjun Wang<sup>1,2,3,4</sup>, Ruifeng Liu<sup>1,2,3</sup>, Wencheng Zhu<sup>1,3</sup>, Huiying Chu<sup>4,5</sup>, Hua Yu<sup>1,2</sup>, Ping Wei<sup>1</sup>, Xueyan Wu<sup>6</sup>, Hongwen Zhu<sup>7</sup>, Hong Gao<sup>1,2</sup>, Ji Liang<sup>1,2</sup>, Guohui Li<sup>4\*</sup> & Weiwei Yang<sup>1,2\*</sup>

Target	Species of Sample	Application	Journal	PMID
Phospho-UGDH-Y473	Human	WB, IHC	Nature	31243371

**Molecular Cell** <https://doi.org/10.1016/j.molcel.2018.08.044>

**Naa10p Inhibits Beige Adipocyte-Mediated Thermogenesis through N- $\alpha$ -acetylation of Pgc1 $\alpha$**

Chen-Cheng Lee, Yi-Chun Shih, Ming-Lun Kang, Yi-Cheng Chang, Leo-Ming Chuang, Ramanan Devaraj, Li-Jung Juan

Target	Species of Sample	Application	Journal	PMID
PGC1 $\alpha$	Mouse	WB, IP, ChIP	Molecular Cell	30455424

**Cancer Cell** <https://doi.org/10.1016/j.ccr.2018.08.044>

**Inhibition of Nuclear PTEN Tyrosine Phosphorylation Enhances Glioma Radiation Sensitivity through Attenuated DNA Repair**

Jianhui Ma, Jorge A. Benitez, Jie Li, ..., Richard D. Kolodner, Clark C. Chen, Frank B. Furnari

Target	Species of Sample	Application	Journal	PMID
Phospho-PTEN-Y240	Human, Mouse	WB, IP, ChIP	Cancer Cell	30827889