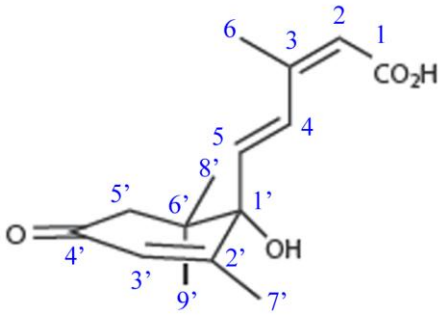
Supplementary Material

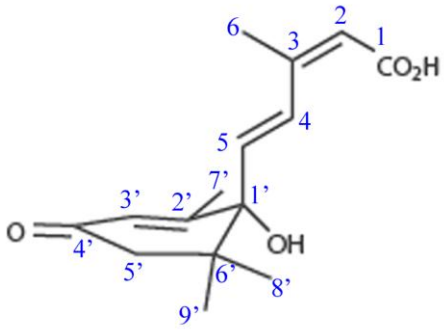
Supplementary Figure S1. Structural formulae of (+)-ABA (**A**) and (-)-ABA (**B**)

A



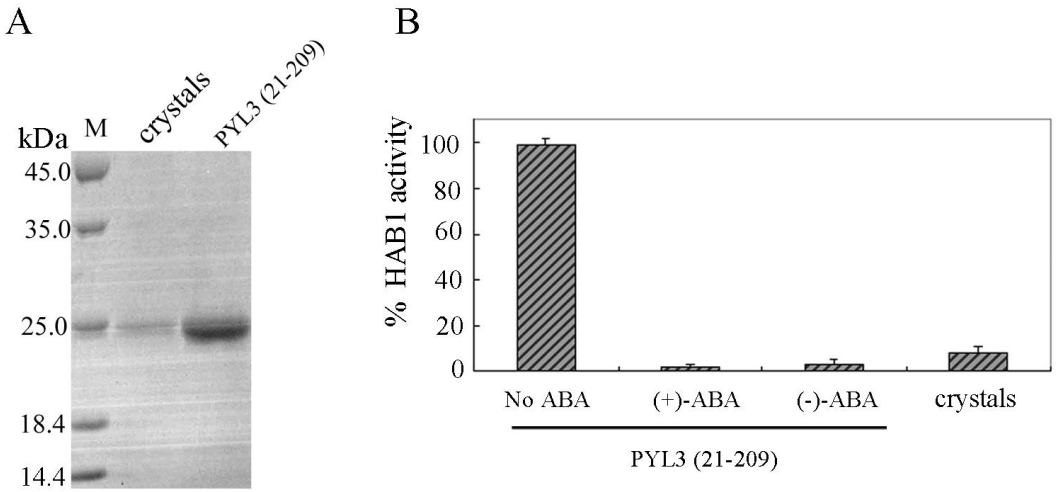
***S*-(+)-ABA**

B

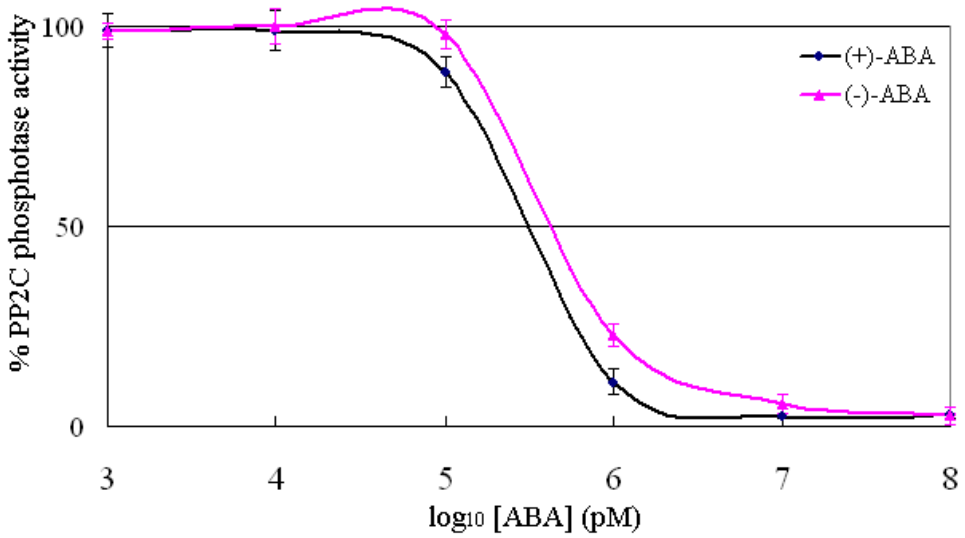


***R*-(–)-ABA**

Supplementary Figure S2. (-)-ABA existed in PYL3 (residues 21-209) complex crystals. (A) Analysis of the crystals by SDS-PAGE revealed the presence of PYL3 (residues 21-209). Three crystals of PYL3 (residues 21-209) with (-)-ABA were washed three times by the corresponding reservoir solution, and then were got together to run SDS-PAGE. The purified PYL3 (residues 21-209) protein in solution was taken as a positive control. **(B)** The inhibition of HAB1 by the crystals showed the presence of (-)-ABA. The concentration for PYL3 (residues 21-209) was 5.0 μM, for HAB1 was 3.0 μM, and for (+)-ABA or (-)-ABA was 15μM. Five crystals were washed three times by the corresponding reservoir solution and then dissolved by the buffer for the HAB1 activity assay. The concentration of PYL3 from crystals was measured by by G-250 Bradford Method (595 nm) and adjusted to 5.0 μM in the HAB1 inhibition activity assay each time. The HAB1 activity assay was carried out as previously described . All experiments were repeated three times (n=3) and error bars represented s.d.



Supplementary Figure S3. Ligand-dependent inhibition of HAB1 phosphatase activity by PYL3 (residues 21- 209). The relative phosphatase activities are measured in the presence of different concentrations of each ligand (n=3). The relative activities in the absence of ligands are defined as 100%. All experiments were repeated three times (n=3) and error bars represented s.d.



Zhang, X., Zhang, Q., Xin, Q., Yu, L., Wang, Z., Wu, W., Jiang, L., Wang, G., Tian, W., Deng, Z., Wang, Y., Liu, Z., Long, J., Gong, Z. & Chen, Z. (2012). *Structure* **20**, 780-790.