

Anti-Non-symbiotic hemoglobin 2 antibody

Catalog: PHY1551S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Different classes of nonsymbiotic plant hemoglobins have been identified and divided into class 1 (Hb1) (AT2G16060) and class 2 (Hb2) based on phylogenetic characteristics, gene expression patterns, and oxygen-binding properties. Hb2 might act as an oxygen sensor or play a role in electron transfer, possibly to a bound oxygen molecule.
Synonyms:	Ahb2, , ARABIDOPSIS HEMOGLOBIN 2, ARATH GLB2, ATGLB2, GLB2, HAEMOGLOBIN 2, HB2, HEMOGLOBIN 2, NON-SYMBIOTIC HAEMOGLOBIN 2, NSHB2, PGB2, PHYTOGLOBIN2
Immunogen:	KLH-conjugated synthetic peptide of Ahb2 derived from <i>Arabidopsis thaliana</i> AT3G10520.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	18 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologous with the sequence in *Spinacia oleracea*.

For more species homologues information, please contact tech support at tech@phytoab.com.