

Anti-Nuclear cap-binding protein subunit 2 antibody

Catalog: PHY2015A

Product Information

Description:	Rabbit polyclonal antibody
Background:	CBP20 is a nuclear cap-binding protein that forms a heterodimeric complex with ABH1 (AT2G13540) and is likely to participate in RNA metabolism. It recognizes and binds capped RNAs (m7GpppG-capped RNA) but requires ABH1/CBP80 to stabilize the movement of its N-terminal loop and lock the CBC into a high affinity cap-binding state with the cap structure.
Synonyms:	CBP20, ATCBP20, CAP-BINDING PROTEIN 20
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> CBP20 (AT5G44200).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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:	30 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica rapa*, *Brassica napus*, 80-99% homologues with the sequence in *Gossypium raimondii*, *Panicum virgatum*, *Zea mays*, *Medicago truncatula*, *Glycine max*, *Populus trichocarpa*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Vitis vinifera*, *Spinacia oleracea*, *Cucumis sativus*, *Oryza sativa*, *Physcomitrium patens*, *Setaria viridis*, *Sorghum bicolor*, *Triticum aestivum*, *Hordeum vulgare*, *Brassica napus*, *Brassica rapa*, *Chlamydomonas reinhardtii*.

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