

Anti-Catalase-2, C-terminal antibody

Catalog: PHY0489S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Catalase is a tetrameric iron porphyrin that catalyses the dismutation of H ₂ O ₂ to water and oxygen. The <i>Arabidopsis</i> genome encodes three catalase subunits, CAT1 (AT1G20630), CAT2 (AT4G35090), and CAT3 (AT1G20620). These three individual subunits associate to form at least six catalase isoforms.
Synonyms:	CAT2, CATALASE 2
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CAT2 (AT4G35090).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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:	57 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Vitis vinifera</i> , <i>Brassica rapa</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> ,

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Nicotiana tabacum, *Gossypium raimondii*, *Brassica napus*, *Populus trichocarpa*, and 80-99% homologues with the sequence in *Hordeum vulgare*.

The sequence of the synthetic peptide used for immunization is 94% (15 / 16) homologues with the sequence in CAT3 (AT1G20620) and CAT1 (AT1G20630).

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