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**Product no AS17 4155**

# Anti-ACA2 | Calcium-transporting ATPase 2

## Product information

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| **Immunogen** | GST-fusion of ACA2 peptide, purified by SDS-PAGE of *Arabidopsis thaliana* ACA2 protein sequence, UniProt: O81108, TAIR: AT4G37640 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Serum |
| **Format** | Lyophilized |
| **Quantity** | 50 µl |
| **Reconstitution** | For reconstitution add 50 µl, of sterile water |
| **Storage** | Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube. |

## Application information

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| **Recommended dilution** | 1 : 10 000 (WB) |
| **Expected \| apparent MW** | 110 \| 110 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Additional information** | ACA2 can be found in a good levels in: roots and flowers while the levels in leaves and siliques are very low. Harper et al. 1998.<br>This antibody is recognizing both full length and trunctated forms. |
| **Selected references** | Hwang et al. (2000). Calmodulin activation of an endoplasmic reticulum-located calcium pump involves an interaction with the N-terminal autoinhibitory domain.Plant Physiol. 2000 Jan;122(1):157-68.<br>Hwang et al. (2000). Calmodulin activation of an endoplasmic reticulum-located calcium pump involves an interaction with the N-terminal autoinhibitory domain.Plant Physiol. 2000 Jan;122(1):157-68.<br>Harper et al. (1998). A novel calmodulin-regulated Ca2+-ATPase (ACA2) from Arabidopsis with an N-terminal autoinhibitory domain. J Biol Chem. 1998 Jan 9;273(2):1099-106. (this paper contains a blot of tissue specific expression of ACA2).<br>Harper et al. (1998). A novel calmodulin-regulated Ca2+-ATPase (ACA2) from Arabidopsis with an N-terminal autoinhibitory domain. J Biol Chem. 1998 Jan 9;273(2):1099-106. (this paper contains a blot of tissue specific expression of ACA2) |