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**Product no AS17 4156**

# ECA1 | Calcium-transporting ATPase 1, endoplasmic reticulum-type

## Product information

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|---|---|
| **Immunogen** | KLH-conjugated peptide derived from *Arabidopsis thaliana*<br>ECA1 sequence, cytosolic loop, between TM4 and TM5, UniProt:P92939, TAIR: At1g07810 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Serum |
| **Format** | Lyophilized |
| **Quantity** | 50 µl |
| **Reconstitution** | For reconstitution add 50 µl, of sterile water |
| **Storage** | Lyophilized antibody can be stored at -20°C for up to 3 years. Re-constituted antibody can be stored at 4°C for several days to weeks. 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** | 116,3 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Additional information** | The protein shows tissue specific expression, shown on a blot included in Wu et al. (2000). Lowest amounts of ECA1 are found in siliques. |
| **Selected references** | Wu et al. (2000). An endoplasmic reticulum-bound Ca(2+)/Mn(2+) pump, ECA1, supports plant growth and confers tolerance to Mn(2+) stress. Plant Physiol. 2002 Sep;130(1):128-37.<br>Liang et al. (1997). ECA1 complements yeast mutants defective in Ca2+ pumps and encodes an endoplasmic reticulum-type Ca2+-ATPase in Arabidopsis thaliana. Proc Natl Acad Sci U S A. 1997 Aug 5;94(16):8579-84. |