

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

Cat PA00234

Size 50 µl

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## Host

Rabbit

## Clonality

Polyclonal

## Confirmed reactivity

Arabidopsis thaliana

## Immunogen

KLH-conjugated peptide derived from Arabidopsis thaliana ECA1 sequence, cytosolic loop, between TM4 and TM5, UniProt:P92939, TAIR: At1g07810

## Host

Rabbit

## Clonality

Polyclonal

## Purity

Serum

## Format

Lyophilized

## 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

Western blot (WB)

## 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

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## 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.

## Description

Calcium-transporting ATPase 1, ER type, is a magnesia-dependent enzyme that catalyzes the hydrolysis of ATP while transporting calcium from the cytosol to the endoplasmic tube. The balance of manganese ions is also regulated by pumping into the membrane cavity. This enzyme can also transport zinc. Aliases :ACA3, Arabidopsis er CA2+ -ATPase 1,AECA1, ECA1, er CA2+ -ATPase 1.

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