



Rte Ancienne Papeterie  
PO Box 327,  
CH-1723 Marly 1 (Switzerland)

Fax: +41 91 825 76 08  
info@swant.com  
www.swant.com

# Product Description

## Rabbit anti Ca<sup>2+</sup>-ATP-ase, Isoform 1

**Product:** Rabbit anti-Ca<sup>2+</sup>-ATPase, isoform 1

**Code No:** PMCA1

**Lot no:** #69

**Form:** Lyophilized whole serum (no preservatives).

**Quantity:** 200 µl.

**Reconstitution:** with 200 µl of bidistilled water.

### Description

The antiserum against Ca<sup>2+</sup>-ATPase, isoform 1, was produced in rabbits by immunization with the N-terminal sequence-specific peptide of the human pump as epitope. It recognizes the corresponding proteins in human, rat and mouse tissue. The antibody was evaluated for specificity and potency : a) by Biotin-Avidin labelling of cryostat-sections of 4% paraformaldehyde fixed tissue and b) by immunoenzymatic labelling of Western blots. It can also be used for immunoprecipitation. The serum was inactivated at 50°C for 30 minutes.

### Working dilutions

Immunohistochemistry : 1: 1'000 - 1: 2'000.

Immunoblots : 1: 1'000 - 1: 2'000.

For immunohistochemistry and immunoblots the titer was determined by using the avidin-biotin method. We recommend that the optimal dilutions be determined by titration experiments.

### Storage

After reconstitution freeze in small aliquots (e.g. 1 µl) and keep at - 80°C (or at least - 20°C). For continuous use keep at 4°C (with 0.01% Na-azide). Avoid repeated freezing and thawing.

### References

1. Stauffer T.P., Guerini D., Carafoli E. (1995) Tissue distribution of the four gene products of the plasma-membrane Ca<sup>2+</sup>-pump. A study using specific antibodies. *J. Biol. Chem.* **19**: 12184-12190.
2. Stauffer T.P., Guerini D., Celio M.R., Carafoli E. (1997) Immunolocalization of the plasma membrane Ca<sup>2+</sup>-pump isoforms in the rat brain. *Brain Res.* **748**:21-29.