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Product Description **Rabbit anti Ca²⁺- ATPase,** **Isoform 1**

PMCA1

Straight antiserum

Product: Rabbit anti- Ca²⁺-ATPase, isoform 1

Code No: PMCA1

Form: Lyophilized whole serum (no preservatives).

Quantities available: 200 µl.

Reconstitution: with 200 µl of bidistilled water.

Description

The antiserum against Ca²⁺-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 cryostate-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 Ca₂₊-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 Ca₂₊-pump isoforms in the rat brain. *Brain Res.* **748**:21-29.