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Product Description

Rabbit anti ALG2 8522

Product: Rabbit anti-ALG2 8522

Code No.: mb-2

Lot No.: 18299

Form: Lyophilized antiserum (no preservatives).

Quantity: 200 µl.

Reconstitution: with 200 µl bidistilled water.

Description

In many apoptotic pathways Ca^{2+} seems to play an important role. The Ca^{2+} binding protein ALG-2 is an apoptotic protein discovered in a death trap assay and described as a proapoptotic protein by the group of D'Adamio (1). The protein of 191 amino acids contains two canonical Ca^{2+} binding EF-hand domains, binding Ca^{2+} with high affinity and one non canonical EF-hand, binding Ca^{2+} with low affinity. Cells lacking ALG-2 still contain active caspases but are protected against apoptosis induced by Fas, glucocorticoids and staurosporin. The protein is expressed ubiquitously and was conserved during evolution from *C.elegans* to man (2). Expression of ALG-2 is increased in various cancers (3). This antiserum was made against the full-length recombinant ALG2-protein.

Working dilutions

Immunohistochemistry: 1:2'000 - 1:5'000 with the avidin-biotin method. On paraformaldehyde (4%) or formalin-fixed tissue. Cryostate sections.

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

We recommend that the optimal dilutions be determined by titration experiments.

Storage

After reconstitution freeze in small aliquots (e.g. 1 µl). For long storage, 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. Vito, P., Lacana, E. & D'Adamio, L. Science 271, 521-525 (1996).
2. Tarabykina, S., Læssø Møller, A., Durussel, I., Cox, J. and Berchtold, M.W., J. Biol. Chem. 275, 10514-10518 (2000).
3. La Cour JM, Moellerup J., Winding P., Tarabykina S., Sehested M. and Berchtold MW, Am. J. Pathol., 163, 81-89 (2003).