

Alpha-Tubulin, N-terminal structural domain, clone TU-01 Monoclonal Antibody

Catalog No.: MON4009

Quantity: 1 ml

Specificity

The antibody reacts with alpha-tubulin of various species (1, 2) including plant and yeast tubulins with an N-terminal structural domain of alpha-tubulin (4, 6). This antibody reacts with peptide that corresponds to the position of alpha/65-79/tubulin (3). It will react with all alpha-tubulin isoforms (5).

Immunoglobulin type

Murine IgG₁

Use

The antibody is useful for:

- detection of tubulin in ELISA
- in immunoblotting experiments, screening of expression libraries
- staining of microtubular structures in fixed cells by immunofluorescence microscopy and by light microscopy using PAP complex
- identification of tubulin on fixed, frozen tissue sections
- As a marker of N-terminal domain of α -tubulin.

Instructions for use

The antibody can be used with classical immunofluorescence and immunochemical techniques. 1 ml antibody solution, sufficient for staining of 100 samples of fixed cells. Depending on the technique to be used a working dilution has to be tested at beforehand. A dilution of 1:100 for immunofluorescence is advised, for immunoblotting a working dilution of 1:1000 (as secondary antibody, horseradish peroxidase conjugate) is advised.

Presentation

1 ml diluted ascites in PBS buffer containing 0.1% sodium azide.

Literature

1. Viklicky, V., et al., 1982, Cell Biol. Int. Rep. 6, 725.
2. Dráber, P., et al., 1986, Eur. J. Cell. Biol. 41, 82.
3. Grimm, M., et al., 1987, Biochem. Biophys. Acta 914, 83.
4. Dráber, P., et al., 1989, J. Cell Sci. 92, 519.
5. Linhartová, et al., 1992, Biochem. J. 288, 919-924.
6. Callen, et al., 1994, Biol. Cell 81, 95-119.

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Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com