



Product Information Sheet

Monoclonal Anti- β -Tubulin

Catalogue No. MA1112

Lot No. 08A12

Clone: TUB-2

Ig type: mouse IgG1

Size: 100 μ g/vial

Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

To reorder contact us at:

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Immunogen

Tubulin from rat brain.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 2 μ g/ml with the appropriate system to detect β Tubulin in cells and tissues.

Immunohistochemistry(P)

At 0.5-1 μ g/ml to detect β Tubulin in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100 μ g/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Tubulin beta (TUBB) was derived from its corresponding mRNA with a molecular weight of about 55,000. TUBB gene contains 4 exons and located in the HLA class I region at 6p21.3. Paclitaxel resistance in non-small-cell lung cancer associated with beta-tubulin gene mutations

REFERENCE

1. Floyd-Smith, G. A.; de Martinville, B.; Francke, U. : A beta-tubulin expressed gene M40 (TUBB) is located on human chromosome 6 and two related pseudogenes are located on chromosomes 8 (TUBBP1) and 13 (TUBBP2). (Abstract) Cytogenet. Cell Genet. 40: 629, 1985.
2. Floyd-Smith, G. A.; de Martinville, B.; Francke, U. : An expressed beta-tubulin gene, TUBB, is located on the short arm of human chromosome 6 and two related sequences are dispersed on chromosomes 8 and 13. Exp. Cell Res. 163: 539-548, 1986.
- 3 Monzo, M.; Rosell, R.; Sanchez, J. J.; Lee, J. S.; O'Brate, A.; Gonzalez-Larriba, J. L.; Alberola, V.; Lorenzo, J. C.; Nunez, L.; Ro, J. Y.; Martin, C. : aclitaxel resistance in non-small-

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