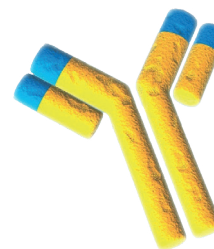


MONOCLONAL ANTIBODY



NEUROFILAMENTS 150, 200 clone 13AA (IgG₁)

Background

The cytoplasmic cytoskeleton determines cell organization, shape and adhesion among other functions. Furthermore, the cell type-specific expression of intermediate filaments allows determination of the origin of many, otherwise unspecific tumours. Biohit offers monoclonal antibodies to the following cytoskeletal peptides: α -Actinin, α -Fodrin, Vinculin, Cytokeratin 18, Cytokeratin 8, 18, 19, Cytokeratin 7, 17, 19, Vimentin, Neurofilaments 150, 200, Neurofilaments 70, 200.

The product is for research use only. The performance characteristics of this product have not been established. Use in human clinical diagnosis is the responsibility of the user. This product should be stored at +2 to +8 °C. Monoclonal antibody to neurofilaments is derived from the hybridoma produced by fusion between myeloma cells and Balb / c spleen cells. Purified neurofilament triplet proteins from human spinal cord were used as immunogen.

Cat. No. 610021	100 μ g immunoglobulin in 1 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.
Cat. No. 610048	1 mg immunoglobulin in 10 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.

Specificity

The antibody reacts with all three neurofilament proteins, Mr 68.000, 150.000 and 200.000 molecules in mouse and recognizes proteins 150.000 and 200.000 in human.

Application

Immunohistochemical staining and western blotting.

Guidelines for dilutions

Working dilution in western blotting is at least 1:1000.

References

1. Virtanen et al. (1984) Ann.N.Y. Acad.Sci. 455, 635-648.
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3. Karavanov et al.(1995) Proc. Natl. Acad. Sci. U.S.A. 92, 11279-11283.
4. Sariola et al. (1988) Development 104, 589-599.
5. Tienari J. et al. (1987) Devel. Biol. 123, 566-573.
6. Virtanen I. et al. (1984) Ann. N.Y. Acad. Sci. 455, 635-648.