

## Neurofilament heavy component, clone 402, Monoclonal Antibody

**Catalog No.:** MON3030

**Quantity:** 1 ml

### Specificity

The monoclonal antibody reacts specific with the heavy component of the three subunits of neurofilaments. In immunoblots it reacts with the 200 kD protein. Neurofilaments, the intermediate filaments of neurons, are composed of three polypeptides with a moleculeweight of respectively, 70, 160 and 200 kD. The three polypeptides can be differentially expressed during neuronal development, or in adult brain tissue. Antibodies directed against the three different neurofilament proteins can be an important aid in studying neurofilament expression pattern and in testing of tumors. Antigen origin: isolated from calf brain tissue.

Antigen location: cytoplasma.

### Immunoglobulin type

Murine IgM

### Use

The neurofilament antibody can be used in immunohistochemistry on frozen and paraffin embedded tissue.

### Instructions for use

The antibody can be used on paraffin embedded tissue without tissue pretreatment.

Working dilution of 1: 10 is advised, but the optimal dilution should be tested by serial dilution. Positive control: human brain tissue.

### Presentation

1 ml tissue culture supernatant containing 0.1% sodium azide.

### Literature

- Hacker, G.W., et al., 1985, Histochemistry 82, 581-593.

**FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.**



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