OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM32287SU-N Monoclonal Antibody to Neurofilament M (160 kD) - Supernatant

Alternate names: (Neuronal Marker), NEF3, NEFM, NF-M, Neurofilament 3, Neurofilament medium polypeptide

Quantity: 1 ml

Uniprot ID: P07197

NCBI: NP_005373.2

GeneID: 4741

Host / Isotype: Mouse / IgG1

Clone: 403

Format: **State:** Liquid tissue culture supernatant
Preservatives: 0.09% sodium azide

Applications: **Immunohistochemistry on frozen and paraffin sections.**
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The monoclonal antibody reacts specific with the medium component of the three subunits of neurofilaments. In immunoblots it reacts with the 160 kD protein. Neurofilaments, the intermediate filaments of neurons, are composed of three polypeptides with a molecule weight 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 tumours.
Antigen origin: neurofilament preparation of human spinal cord.
Antigen location: cytoplasma.

Species Reactivity: **Tested:** Human.

Storage: Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings: Hacker G.W., et al. Antibodies to neurofilament protein and other brain proteins reveal the innervations of peripheral organs (1985). Histochemistry, 82, 581-593.