

Monoclonal anti human ataxin-3

#Cat: NB-01-007 Size: 100 µl

Clones: 2SCA-1H9

Immunogen: human ataxin-3 fragment from aa F112 to aa L249 as a fusion protein.

Murine Isotype: IgG1, k

Specificity: Human, monkey, rat and mouse ataxin-3 isoforms. The epitope was mapped precisely at E214-L233. 1H9 antibody can be used to study wild type ataxin-3 and the mutant form with polyglutamine expansion found in patients affected with spinocerebellar ataxin type 3/Machado-Joseph disease (SCA3/MJD). In analysis of human tissues by western blot, 1H9 antibody revealed several isoforms of ataxin-3 (presumably generated by alternative splicing, Trottier et al. 1998). 1H9 antibody detected polyglutamine aggregate (or nuclear inclusions) by IHC on SCA-3/MJD brain sections (Paulson et al.1997).

Applications:

- ELISA
- Western Blot (natural and recombinant proteins)
- Immunocytofluorescence
- Immunohistochemistry
- Immunoprecipitation

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Recommended dilution: 1/500-1/5000

Storage:

- Store at -20°C (up to 3 years)
- Avoid repeat freezing and thawing cycles. Does not contain any preservative

References:

Trottier et al. Neurobiology of Disease (1998). 5: 335-397

Paulson et al. Neuron (1997). 19: 333-344

These products are intended for research purposes only.

MATERIAL SAFETY DATA SHEET INFORMATION

To the best of our knowledge, these products do not require a Material Safety Data Sheet. However, all the properties of these products (and, if applicable, each of their components) have not been thoroughly investigated. Therefore, we recommend that you use gloves and eye protection, and wear a laboratory coat when working with these

