



Monoclonal anti human ataxin-3

NB-01-0007

Volume: 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