Monoclonal Antibody To Human Ataxin-3
Machado-Joseph disease protein 1; Spinocerebellar ataxia type 3 protein

Monoclonal antibody SCA-1H9 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, antibody SCA-1H9 revealed several isoforms of ataxin-3 (presumably generated by alternative splicing, Trottier et al. 1998). SCA-1H9 antibody detected polyglutamine aggregate (or nuclear inclusions) by immunohistochemistry on SCA-3/MJD brain sections (Paulson et al.1997).

Product Number: T-1427 (Lot 01PO1209)
Clone: SCA-1H9
Host species, isotype: Mouse IgG1 kappa
Quantity: 100μl
Format: Ascites, liquid

Stability: Original vial: 1 year at 4° - 8°C
Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

Applications: Tested for immunohistochemistry (IHC). Has been reported to work with Western Blots, ELISA, FACS and immunoprecipitation.

Approximate working dilution for IHC:
Frozen sections: not tested
Paraffin sections: 1:50 – 1:200; Proteinase K pretreatment (enhanced cytoplasmic staining) or microwave pretreatment (enhanced nuclear staining) for antigen retrieval is recommended.
Secondary antibody: anti mouse IgG1 is recommended.
Optimal dilutions should be determined by the end user.
Suggested positive control: Ubiquitous tissue specificity.

Please see www.bma.ch for protocols and general information.

Immunogen: Human Ataxin-3 F112 to L249 as a fusion protein.
Antigen, epitope: Ataxin-3, epitope was mapped at E214-L233.
Specificity:  
Human: Ubiquitous expression.
Other: rat, mouse, monkey

Selected references


For in vitro research only. This product contains Kathon as a preservative.