

## Datasheet for 200-303-W69

**Ataxin 1 Antibody Peroxidase****Overview**

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Ataxin 1 (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-W69 |
| <b>Item No.:</b>     | 200-303-W69                                                                   |
| <b>Size:</b>         | 100 µg                                                                        |
| <b>Applications:</b> | IHC, IP, WB                                                                   |
| <b>Reactivity:</b>   | Human, Mouse, Rat                                                             |
| <b>Host Species:</b> | Mouse                                                                         |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Ataxin-1 is a member of the ATXN1 protein family and contains a single AXH domain. It is a neurodegenerative disorder protein thought to have a role in the metabolism of RNA as it has been shown to localize to the RNA and transcription dependent inclusions within the nucleus. A mutation of Ataxin-1 is the cause of spinocerebellar ataxia type-1 (SCA1), a progressive, neurodegenerative disease that is autosomal dominant and primarily affects the Purkinje cells found in brain stem neuronal populations and the cerebellum. Expression of Ataxin-1 is almost ubiquitous, except in the brain where it is isolated to populations of neurons. |
| <b>Synonyms:</b>     | Ataxin-1, ATX1, Atxn1, D6S504E, OTTHUMP00000016065, SCA1, Spinocerebellar ataxia type 1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host Species:</b> | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clone ID:</b>     | S76-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Format:</b>       | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                        |                    |
|------------------------|--------------------|
| <b>Gene Name:</b>      | Ataxin 1           |
| <b>Reactivity:</b>     | Human, Mouse, Rat  |
| <b>Immunogen Type:</b> | Conjugated Peptide |

|                            |                                                                                                                                                                                                  |
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| <b>Immunogen:</b>          | Anti-Ataxin 1 Antibody was produced by repeated immunization of mice with a synthetic peptide containing amino acids 164-197 of mouse Ataxin 1.                                                  |
| <b>Purity/Specificity:</b> | Anti-Ataxin 1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 100% identical to rat and 88% identical to human. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P54254</a></li><li>• <a href="#">GeneID - 20238</a></li></ul>                                                                    |

## Application Details

|                             |                                                                                                                                                                                                                                                              |
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| <b>Tested Applications:</b> | IHC, IP, WB                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | Anti-Ataxin 1 HRP Conjugated Antibody is tested for Western Blots, Immunohistochemistry and Immunoprecipitation. Expect a band approximately ~85 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                              |
| <b>ELISA:</b>               | 1:10,000                                                                                                                                                                                                                                                     |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                                                                                               |
| <b>IP:</b>                  | User Optimized                                                                                                                                                                                                                                               |
| <b>WB:</b>                  | 1:1000                                                                                                                                                                                                                                                       |

## Formulation

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)         |
| <b>Concentration:</b>  | 1mg/mL by UV absorbance at 280 nm |

## Shipping & Handling

|                            |                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                          |
| <b>Storage Condition:</b>  | Conjugated antibodies should be stored according to the product label. Product stored in 73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide and 0.23mM Citrate in dH2O. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                            |

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.