

Datasheet for ABIN6657679

## **anti-Ataxin 1 antibody (AA 746-761) (HRP)**



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### Overview

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Quantity:            | 100 µg                                                   |
| Target:              | Ataxin 1 (ATXN1)                                         |
| Binding Specificity: | AA 746-761                                               |
| Reactivity:          | Mouse                                                    |
| Host:                | Mouse                                                    |
| Clonality:           | Monoclonal                                               |
| Conjugate:           | This Ataxin 1 antibody is conjugated to HRP              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

### Product Details

|                             |                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                    | Ataxin 1 Antibody Peroxidase                                                                                                                    |
| Immunogen:                  | Anti-Ataxin 1 Antibody was produced by repeated immunization of mice with a synthetic peptide containing amino acids 746-761 of mouse ataxin-1. |
| Clone:                      | S65-37                                                                                                                                          |
| Isotype:                    | IgG1                                                                                                                                            |
| Cross-Reactivity (Details): | BLAST analysis suggests that it is 93 % identical to rat and 87 % identical to human.                                                           |
| Purification:               | Anti-Ataxin 1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography.                                     |
| Sterility:                  | Sterile filtered                                                                                                                                |

## Target Details

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| Target:           | Ataxin 1 (ATXN1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | Ataxin 1 ( <a href="#">ATXN1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: Ataxin-1, ATX1, Atxn1, D6S504E, OTTHUMP00000016065, SCA1, Spinocerebellar ataxia type 1 protein, Spinocerebellar ataxia type 1 protein homolog</p> <p>Background: 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. Anti-Ataxin-1 is ideal for research in Neuroscience.</p> <p>Gene Name: Ataxin-1</p> |
| Gene ID:          | 20238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt:          | <a href="#">P54254</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pathways:         | <a href="#">Synaptic Membrane</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Application Details

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| Application Notes: | ELISA_Dilution: 1:10,000<br>Western_Blot_Dilution: 1:1000                                                                                                                                                                                                                                                                                                                                                         |
| Comment:           | Anti-Ataxin 1 HRP Conjugated Antibody is suitable for Western Blots and Immunocytochemistry. Expect a band approximately ~85kDa on specific lysates or tissues. No cross reactivity against phosphor S751-Ataxin-1. Minimal cross reactivity against S751A mutant of Ataxin-1 by ELISA and immunofluorescence and negative by immunoblot. Specific conditions for reactivity should be optimized by the end user. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                             |

## Handling

|         |                                                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid                                                                                                                                          |
| Buffer: | Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2<br>Stabilizer: 50 % (v/v) Glycerol<br>Preservative: 0.1 % (w/v) Sodium Azide |

## Handling

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Preservative:      | Sodium azide                                                                                                                                                                                                                                                                                                                                  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                                                                                                        |
| Storage:           | 4 °C,-20 °C                                                                                                                                                                                                                                                                                                                                   |
| Storage Comment:   | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiry Date:       | 12 months                                                                                                                                                                                                                                                                                                                                     |