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Datasheet for 200-366-W87

Ataxin 1 Antibody Streptavidin

Overview

Description:	Anti-Ataxin 1 (MOUSE) Monoclonal Antibody Streptavidin Conjugated - 200-366-W87
Item No.:	200-366-W87
Size:	100 µg
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Host Species:	Mouse

Product Details

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 Purjinke 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.
Synonyms:	Ataxin-1, ATX1, Atxn1, D6S504E, OTTHUMP00000016065, SCA1, Spinocerebellar ataxia type 1 protein, Spinocerebellar ataxia type 1 protein homolog
Host Species:	Mouse
Conjugate:	Streptavidin
Clonality:	Monoclonal
Clone ID:	S65-37
Format:	IgG1

Target Details

Gene Name:	Ataxin-1
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Immunogen Type:	Conjugated Peptide

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.
Purity/Specificity:	Anti-Ataxin 1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 93% identical to rat and 87% identical to human.
Relevant Links:	• UniProtKB - P54254 • GeneID - 20238 • NCBI - NP_001186233

Application Details

Application Note:	Anti-Ataxin 1 Streptavidin 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.

Expiration: 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.