

Datasheet for ABIN6657650
anti-Ataxin 1 antibody (AA 746-761)



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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 un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Ataxin 1 Antibody
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

Target:	Ataxin 1 (ATXN1)
Alternative Name:	Ataxin 1 (ATXN1 Products)
Background:	Synonyms: Ataxin-1, ATX1, Atxn1, D6S504E, OTTHUMP00000016065, SCA1, Spinocerebellar ataxia type 1 protein, Spinocerebellar ataxia type 1 protein homolog 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. Gene Name: Ataxin-1
Gene ID:	20238
UniProt:	P54254
Pathways:	Synaptic Membrane

Application Details

Application Notes:	ELISA_Dilution: 1:10,000 Western_Blot_Dilution: 1:1000
Comment:	Anti-Ataxin 1 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 Stabilizer: 50 % (v/v) Glycerol Preservative: 0.1 % (w/v) Sodium Azide

Handling

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