

Datasheet for ABIN389309

anti-Ataxin 1 antibody (AA 754-781)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Ataxin 1 (ATXN1)
Binding Specificity:	AA 754-781
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ataxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This ATXN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 754-781 amino acids from human ATXN1.
Clone:	RB16258
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Ataxin 1 (ATXN1)
Alternative Name:	ATXN1 (ATXN1 Products)
Background:	The autosomal dominant cerebellar ataxias (ADCA) are a heterogeneous group of

Target Details

neurodegenerative disorders characterized by progressive degeneration of the cerebellum, brain stem and spinal cord. Clinically, ADCA has been divided into three groups: ADCA types I-III. ADCAI is genetically heterogeneous, with five genetic loci, designated spinocerebellar ataxia (SCA) 1, 2, 3, 4 and 6, being assigned to five different chromosomes. ADCAII, which always presents with retinal degeneration (SCA7), and ADCAIII often referred to as the 'pure' cerebellar syndrome (SCA5), are most likely homogeneous disorders. Several SCA genes have been cloned and shown to contain CAG repeats in their coding regions. ADCA is caused by the expansion of the CAG repeats, producing an elongated polyglutamine tract in the corresponding protein. The expanded repeats are variable in size and unstable, usually increasing in size when transmitted to successive generations. The function of the ataxins is not known.

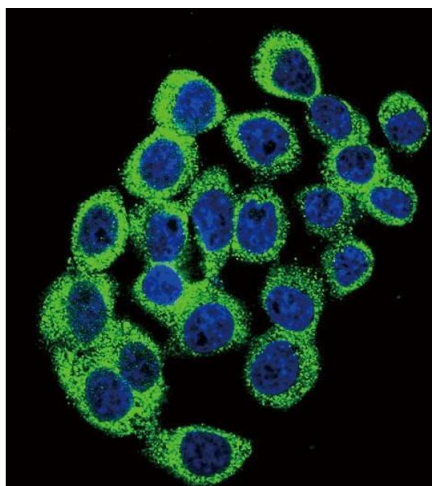
Molecular Weight:	86923
Gene ID:	6310
NCBI Accession:	NP_000323 , NP_001121636
UniProt:	P54253
Pathways:	Synaptic Membrane

Application Details

Application Notes:	IF: 1:10~50. WB: 1:2000
Restrictions:	For Research Use only

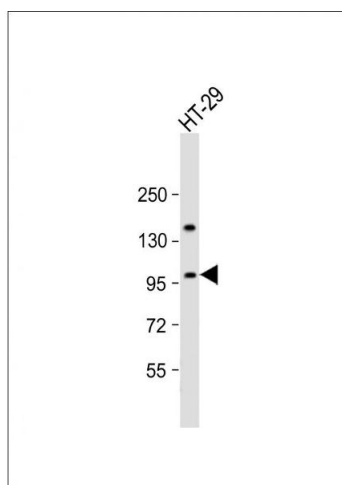
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of ATXN1 Antibody (ABIN389309 and ABIN2839430) with hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 2. Anti-ATXN1 Antibody at 1:2000 dilution + HT-29 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size :87 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.