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Datasheet for ABIN7193320
anti-Ataxin 1 antibody (AA 645-815)

5 Images

Overview

Quantity:	0.1 mg
Target:	Ataxin 1 (ATXN1)
Binding Specificity:	AA 645-815
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ataxin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human ATXN1 (AA: 645-815) expressed in E. coli.
Clone:	2B8A2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Ataxin 1 (ATXN1)
Alternative Name:	ATXN1 (ATXN1 Products)
Background:	Description: 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. ADCA I is genetically heterogeneous, with five genetic loci, designated spinocerebellar ataxia (SCA) 1, 2, 3, 4 and 6, being assigned to five different chromosomes. ADCA II, which always presents with retinal degeneration (SCA7), and ADCA III 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. This locus has been mapped to chromosome 6, and it has been determined that the diseased allele contains 40-83 CAG repeats, compared to 6-39 in the normal allele, and is associated with spinocerebellar ataxia type 1 (SCA1). Alternative splicing results in multiple transcript variants, with one variant encoding multiple distinct proteins, ATXN1 and Alt-ATXN1, due to the use of overlapping alternate reading frames.

Aliases: ATX1, SCA1, D6S504E

Molecular Weight: 86.9 kDa

Gene ID: 6310

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: N/A

Restrictions: For Research Use only

Handling

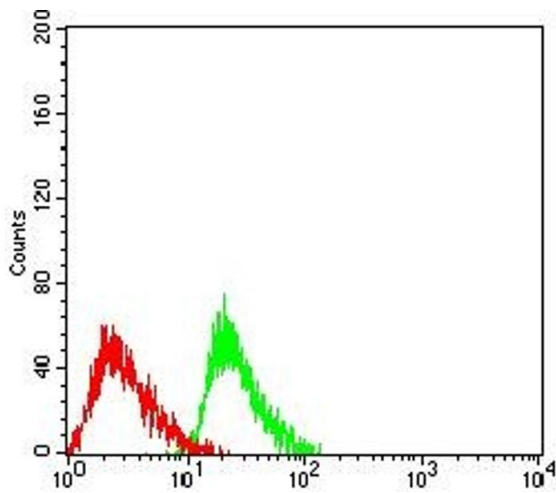
Buffer: Purified antibody in PBS with 0.05 % sodium azide

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

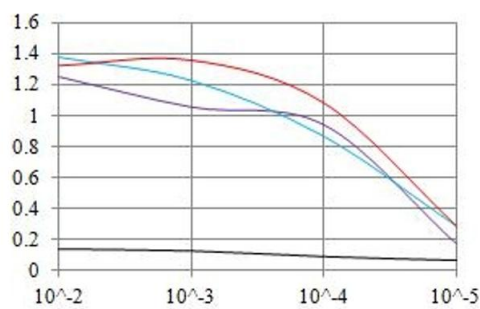
Storage Comment: 4°C, -20°C for long term storage



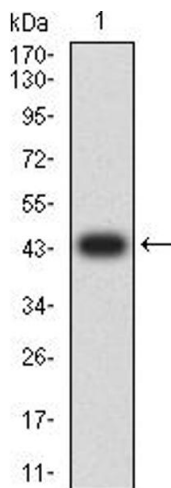
Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using ATXN1 mouse mAb (green) and negative control (red).

O.D. ELISA Result



— Control Antigen = 100ng — Antigen = 10ng
 — Antigen = 50ng — Antigen = 100ng



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using *** mAb against human *** (AA: ***-***) recombinant protein. (Expected MW is *** kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7193320.