

# Ataxin-1 Monoclonal Antibody

#### Description

Product type Primary Antibody

Code BT-MCA0188

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of human Ataxin-1 expressed in E. Coli.

Mol wt N/A

Species reactivity Human

Clonality Monoclonal

Recommended application WB, IHC-p, IF, ICC, FCM, ELISA

Concentration 1 mg/ml

Full name Ataxin-1

Synonyms ATXN1; ATX1; SCA1; Ataxin-1; Spinocerebellar ataxia type 1 protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

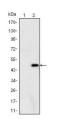
The autosomal dominant cerebellar ataxias (ADCA) are a heterogeneous group of neurodegenerative disorders characterized by progressive degeneration of the cerebellum, brain stem and spinal cord. Clinically, ADCA has been divided into three groups: ADCA types I-III. ADCAI is genetically heterogeneous, 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

## Recommended Dilution

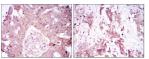
FC: 1:200 - 1:400 IF: 1:200 - 1:1000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

Not yet tested in other applications.

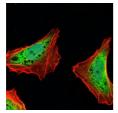
#### **Images**



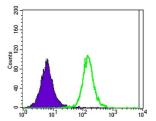
Western Blot analysis using Ataxin-1 Monoclonal antibody against HEK293 (1) and ATXN1-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded ovarian cancer tissues (left) and lung cancer tissues (right) with DAB staining using Ataxin-1 Monoclonal antibody.



Immunofluorescence analysis of NTERA-2 cells using Ataxin-1 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Jurkat cells using Ataxin-1 Monoclonal antibody (green) and negative control (purple).

## Storage

-20°C for one year

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