Ataxin-1 rabbit pAb

Cat#: orb764593 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Ataxin-1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Ataxin 1. AA range:742-791
Specificity	Ataxin-1 Polyclonal Antibody detects endogenous levels of Ataxin-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ataxin-1
Gene Name	ATXN1
Cellular localization	Cytoplasm . Nucleus . Colocalizes with USP7 in the nucleus. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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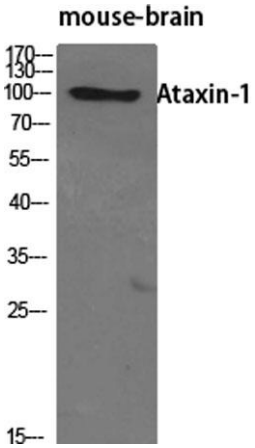
Concentration	1 mg/ml
Observed band	87kD
Human Gene ID	6310
Human Swiss-Prot Number	P54253
Alternative Names	ATXN1; ATX1; SCA1; Ataxin-1; Spinocerebellar ataxia type 1 protein

Background

ataxin 1(ATXN1) Homo sapiens 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



Western Blot analysis of various cells using Ataxin-1 Polyclonal Antibody diluted at 1:500

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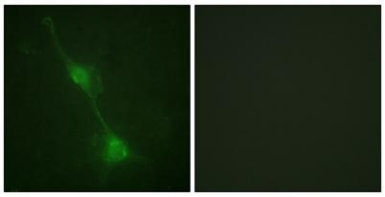
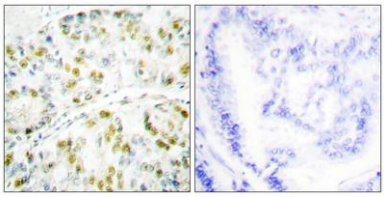


Immunofluorescence analysis of NIH/3T3 cells, using Ataxin 1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Ataxin 1 Antibody. The picture on the right is blocked with the synthesized peptide.

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