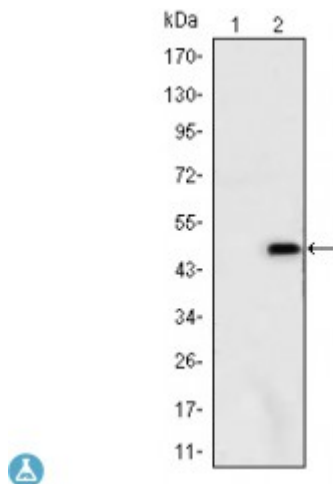


Anti-Ataxin-1 antibody



Description	Mouse monoclonal to Ataxin-1.
Model	STJ97853
Host	Mouse
Reactivity	Human
Applications	ELISA, FC, IF, IHC, WB
Immunogen	Purified recombinant fragment of human Ataxin-1 expressed in E. Coli.
Gene ID	6310
Gene Symbol	ATXN1
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	Ataxin-1 Monoclonal Antibody detects endogenous levels of Ataxin-1 protein.
Tissue Specificity	Widely expressed throughout the body.
Purification	Affinity purification
Clone ID	2F5
Note	For Research Use Only (RUO).
Protein Name	Ataxin-1 Spinocerebellar ataxia type 1 protein
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10548OMIM:164400
Alternative Names	Ataxin-1 Spinocerebellar ataxia type 1 protein
Function	Chromatin-binding factor that repress Notch signaling in the absence of Notch intracellular domain by acting as a CBF1 corepressor. Binds to the HEY promoter and might assist, along with NCOR2, RBPJ-mediated repression. Binds RNA in vitro. May be involved in RNA metabolism.
Sequence and Domain Family	The AXH domain is required for interaction with CIC.
Cellular Localization	Cytoplasm Nucleus. Colocalizes with USP7 in the nucleus.
Post-translational Modifications	Ubiquitinated by UBE3A, leading to its degradation by the proteasome. The presence of expanded poly-Gln repeats in spinocerebellar ataxia 1 (SCA1) patients impairs ubiquitination and degradation, leading to accumulation of ATXN1 in neurons and subsequent toxicity. Phosphorylation at Ser-775 increases the pathogenicity of proteins with an expanded polyglutamine tract. Sumoylation is dependent on nuclear localization and phosphorylation at Ser-775. It is reduced in the presence of an expanded polyglutamine tract.

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