

ARG56261 anti-Ataxin 3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Ataxin 3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Ataxin 3
Species	Human
Immunogen	Recombinant protein of Human Ataxin-3
Conjugation	Un-conjugated
Alternate Names	MJD; ATX3; JOS; Spinocerebellar ataxia type 3 protein; Ataxin-3; Machado-Joseph disease protein 1; AT3; SCA3; MJD1; EC 3.4.19.12

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SW480	

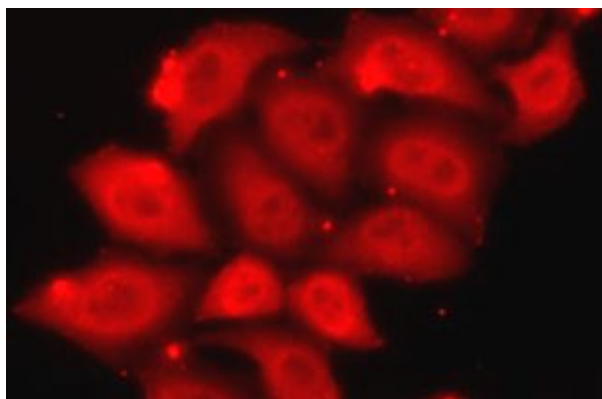
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

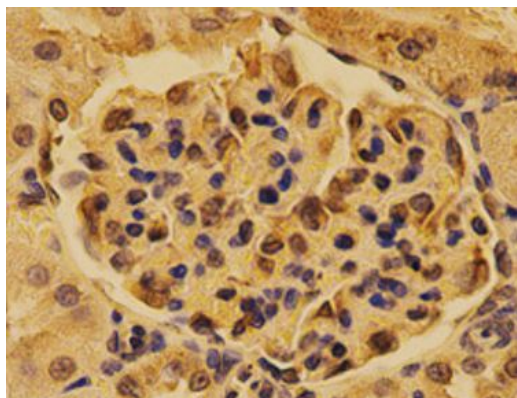
Gene Symbol	ATXN3
Gene Full Name	ataxin 3
Background	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene contains (CAG) <i>n</i> repeats in the coding region, and the expansion of these repeats from the normal 13-36 to 68-79 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Sep 2009]
Function	Deubiquitinating enzyme involved in protein homeostasis maintenance, transcription, cytoskeleton regulation, myogenesis and degradation of misfolded chaperone substrates. Binds long polyubiquitin chains and trims them, while it has weak or no activity against chains of 4 or less ubiquitins. Involved in degradation of misfolded chaperone substrates via its interaction with STUB1/CHIP: recruited to monoubiquitinated STUB1/CHIP, and restricts the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension. In response to misfolded substrate ubiquitination, mediates deubiquitination of monoubiquitinated STUB1/CHIP. Interacts with key regulators of transcription and represses transcription: acts as a histone-binding protein that regulates transcription. [UniProt]
Calculated Mw	41 kDa
PTM	Monoubiquitinated N-terminally by UBE2W, possibly leading to activate the deubiquitinating enzyme activity.

Images



ARG56261 anti-Ataxin 3 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG56261 anti-Ataxin 3 antibody.



ARG56261 anti-Ataxin 3 antibody IHC-P image

Immunohistochemistry: Formalin/PFA-fixed paraffin-embedded Rat kidney tissue stained with ARG56261 anti-Ataxin 3 antibody at 1:200 dilution.

ARG56261 anti-Ataxin 3 antibody WB image

Western blot: SW480 cell lysate stained with ARG56261 anti-Ataxin 3 antibody.

