ATXN7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATXN7, Polyclonal Antibody
Full Product Name	ATXN7 Antibody, FITC conjugated
Product Gene Name	anti-ATXN7 antibody
Product Synonym Names	Ataxin-7; Spinocerebellar ataxia type 7 protein; ATXN7; SCA7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ATXN7 (MBS7105513) FITC Conjugated Antibody: ATXN7 (MBS7105515)
Molecular Weight	79,535 Da
OMIM	AJ000517 mRNA
3D Structure	ModBase 3D Structure for O15265
Immunogen	Recombinant Human Ataxin-7 protein (402-503AA)
Conjugation	FITC
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ATXN7 antibody	ELISA (EIA)
Related Product Information for anti-ATXN7 antibody	Acts as component of the STAGA transcription coactivator-HAT complex. Mediates the interaction of STAGA complex with the CRX and is involved in CRX-dependent gene activation. Necessary for microtubule cytoskeleton stabilization.
Other Notes	Small volumes of anti-ATXN7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ATXN7 purchase	MBS7105515 is an antibody targeting ATXN7. Also known as ATXN7 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATXN7. It may not necessarily be applicable to this product.

NCBI GI #	4506797

NCBI GeneID	6314
NCBI Accession #	NP_000324.1
UniProt Primary Accession #	O15265
UniProt Secondary Accession #	O75328; O75329; Q9Y6P8; B4E207; E9PHP9
UniProt Related Accession #	O15265
GenBank Nucleotide #	NM_000333.3
NCBI Official Full Name	ataxin-7 isoform a
NCBI Official Synonym Full Names	ataxin 7
NCBI Official Symbol	ATXN7
NCBI Official Synonym Symbols	SCA7; OPCA3; ADCAII
UniProt Protein Name	Ataxin-7
UniProt Synonym Protein Names	Spinocerebellar ataxia type 7 protein
Protein Family	Ataxin
UniProt Gene Name	ATXN7
UniProt Synonym Gene Names	SCA7
NCBI Protein Information	ataxin-7
NCBI Summary for ATXN7	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 to successive generations. This locus has been mapped to chromosome 3, and it has been determined that the diseased allele associated with spinocerebellar ataxia-7 contains 37-306 CAG repeats (near the N-terminus), compared to 4-35 in the normal allele. The encoded protein is a component of the SPT3/TAF9/GCN5 acetyltransferase (STAGA) and TBP-free TAF-containing (TFTC) chromatin remodeling complexes, and it thus plays a role in transcriptional regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]
Research Articles on ATXN7	**1.** The intronic SNP rs6798742 is associated with ATXN7 CAG-region expansion.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/atxn7/7105515