

Datasheet for ABIN2784210
anti-Ataxin 3 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	Ataxin 3 (ATXN3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Sheep, Cow, Horse, Rabbit, Dog, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ATXN3
Sequence:	SIAHQLDEEE RMRMAEGGV T SEDYRTFLQQ PSGNMDDSGF FSIQVISNAL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against ATXN3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Ataxin 3 (ATXN3)
Alternative Name:	ATXN3 (ATXN3 Products)
Background:	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant

Target Details

neurologic disorder. The protein encoded by this gene contains (CAG)_n 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.

Alias Symbols: AT3, ATX3, JOS, MJD, MJD1, SCA3

Protein Interaction Partner: UBC, NEDD8, ATXN3, TRIM63, SQSTM1, VCP, ITCH, PARK2, MGRN1, TUBB, HDAC6, TUBA1A, ELC1, ELA1, SYVN1, BAG3, BCL2L1, STUB1, SUMO1, APP, RFFL, TRIM55, SPRTN, PJA1, TRIM54, USP21, UBE2L3, ARHGDIA, ASIC1, RAD23B, RAD23A, ARHGAP19, C16orf70, TEX11, PICK1, GSK3B,

Protein Size: 361

Molecular Weight: 41 kDa

Gene ID: 4287

NCBI Accession: [NM_004993](#), [NP_004984](#)

UniProt: [P54252](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 361 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

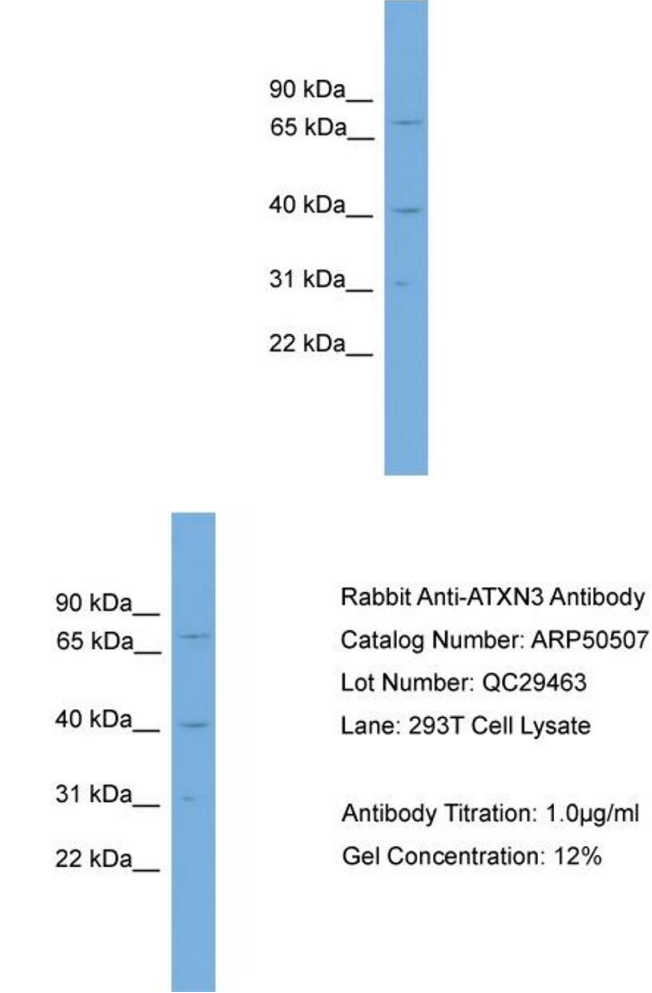
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

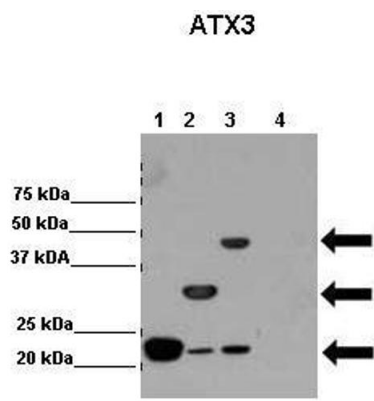
Image 1. WB Suggested Anti-ATXN3 Antibody Titration: 0.2-1 ug/ml Positive Control: 293T cell lysate

Western Blotting

Image 2. WB Suggested Anti-ATXN3
Antibody Titration: 0.2-1 µg/mL
Positive Control: 93T cell lysate

Western Blotting

Image 3. Lanes: Lane 1: 2ug hATX3 (isoform2); Josephin domain(1-182) Lane 2: 2ug hATX3 (isoform2); C-terminal truncated Atx3 (1-264) Lane 3: 2ug hATX3 (isoform2) Lane 4: 2ug other protein Primary Antibody Dilution: 1:10,000 Secondary Antibody: Anti-rabbit HRP Secondary Antibody Dilution: 1:20,000 Gene Name: ATXN3 Submitted by: Dr. Maria Macedo, Instituto de Biologia Molecular e Celular



See Immunoblot 2 Data and Customer Feedback for more Information