

Human Ataxin 3 (ATXN3) ELISA Kit | ATXN3 elisa kit

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CATALOG #
AAA244714

REACTIVITY
Human

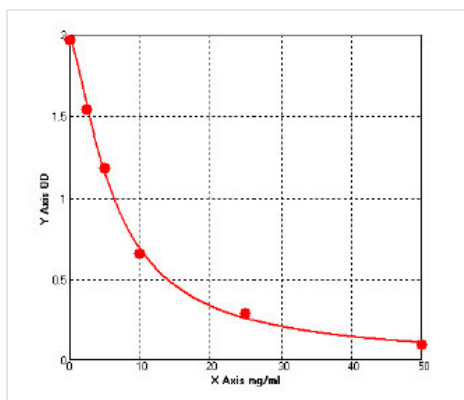
PRODUCT SYNONYMS

Ataxin 3 (ATXN3); Human Ataxin 3 (ATXN3) ELISA Kit; ATXN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATXN3. No significant cross-reactivity or interference between ATXN3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATXN3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATXN3 elisa kit	Principle of the Assay: ATXN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATXN3 antibody and an ATXN3-HRP conjugate. The assay sample and buffer are incubated together with ATXN3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATXN3 concentration since ATXN3 from samples and ATXN3-HRP conjugate compete for the anti-ATXN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATXN3 from the sample, fewer sites are left to bind ATXN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATXN3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATXN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATXN3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATXN3 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	152112974
NCBI GeneID	4287
Molecular Weight	20,633 Da
NCBI Official Full Name	ataxin 3
NCBI Official Synonym Full Names	ataxin 3
NCBI Official Symbol	ATXN3
NCBI Official Synonym Symbols	AT3; JOS; MJD; ATX3; MJD1; SCA3
NCBI Protein Information	ataxin-3; josephin; ataxin 3 variant h; ataxin 3 variant m; ataxin 3 variant ref; olivopontocerebellar ataxia 3; Machado-Joseph disease protein 1; spinocerebellar ataxia type 3 protein; Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3)
UniProt Protein Name	Ataxin-3
UniProt Gene Name	ATXN3
UniProt Synonym Gene Names	ATX3; MJD; MJD1; SCA3
UniProt Entry Name	ATX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ataxin-3-atxn3/244714>