

Human Ataxin 1 ELISA Kit | ATXN1 elisa kit

Human Ataxin 1 ELISA Kit

CATALOG #
AAA16616

REACTIVITY
Human

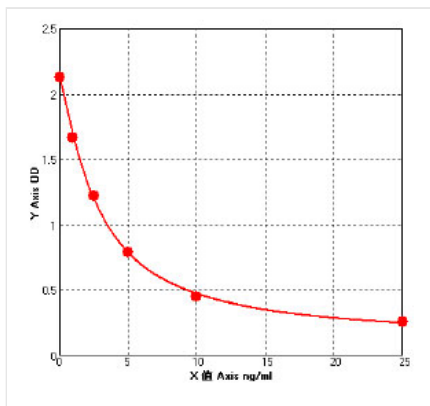
PRODUCT SYNONYMS

Ataxin 1; Human Ataxin 1 ELISA Kit; ATXN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATXN1. No significant cross-reactivity or interference between ATXN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATXN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ATXN1 elisa kit	Intended Uses: This ATXN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATXN1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ATXN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATXN1 antibody and an ATXN1-HRP conjugate. The assay sample and buffer are incubated together with ATXN1-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 ATXN1 concentration since ATXN1 from samples and ATXN1-HRP conjugate compete for the anti-ATXN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATXN1 from the sample, fewer sites are left to bind ATXN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATXN1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATXN1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491748
NCBI GeneID	6310
NCBI Accession #	NP_001121636.1
NCBI GenBank Nucleotide #	NM_001128164.1
Molecular Weight	86,923 Da
NCBI Official Full Name	ataxin-1
NCBI Official Synonym Full Names	ataxin 1
NCBI Official Symbol	ATXN1
NCBI Official Synonym Symbols	ATX1; SCA1; D6S504E
NCBI Protein Information	ataxin-1; alternative ataxin1; spinocerebellar ataxia type 1 protein
UniProt Protein Name	Ataxin-1
UniProt Gene Name	ATXN1
UniProt Synonym Gene Names	ATX1; SCA1
UniProt Entry Name	ATX1_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/atxn1-human-elisa-kits/ataxin-1/16616>