

Human Ataxin 2 ELISA Kit | ATXN2 elisa kit

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CATALOG #
AAA16299

REACTIVITY
Human

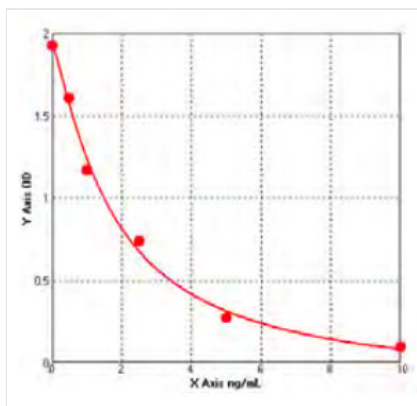
PRODUCT SYNONYMS

Ataxin 2; Human Ataxin 2 ELISA Kit; ATXN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATXN2. No significant cross-reactivity or interference between ATXN2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATXN2 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
Intended Uses	This ATXN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATXN2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATXN2 elisa kit	Principle of the Assay: ATXN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATXN2 antibody and an ATXN2-HRP conjugate. The assay sample and buffer are incubated together with ATXN2-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 ATXN2 concentration since ATXN2 from samples and ATXN2-HRP conjugate compete for the anti-ATXN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATXN2 from the sample, fewer sites are left to bind ATXN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATXN2 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATXN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATXN2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ATXN2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	171543895
NCBI GeneID	6311
NCBI Accession #	NP_002964.3
NCBI GenBank Nucleotide #	NM_002973.3
Molecular Weight	132,884 Da
NCBI Official Full Name	ataxin-2
NCBI Official Synonym Full Names	ataxin 2
NCBI Official Symbol	ATXN2
NCBI Official Synonym Symbols	ATX2; SCA2; ASL13; TNRC13
NCBI Protein Information	ataxin-2; spinocerebellar ataxia type 2 protein; trinucleotide repeat-containing gene 13 protein
UniProt Protein Name	Ataxin-2
UniProt Gene Name	ATXN2
UniProt Synonym Gene Names	ATX2; SCA2; TNRC13
UniProt Entry Name	ATX2_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.

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Online datasheet: <https://stage.aaabiotech.com/atxn2-human-elisa-kits/ataxin-2/16299>